

Vol. XI. No. 8. WEEKLY.

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BALTIMORE, APRIL 2, 1887.

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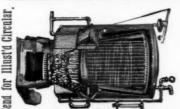
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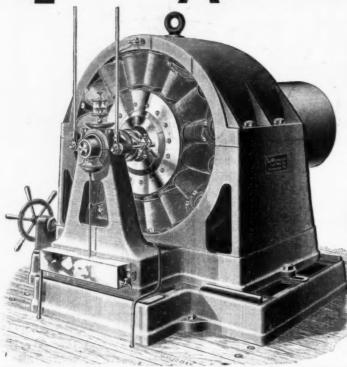
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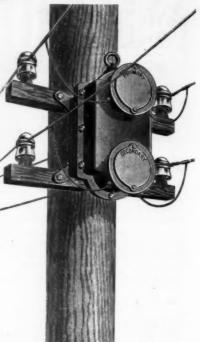
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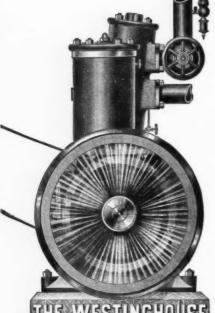
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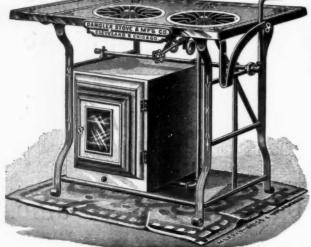
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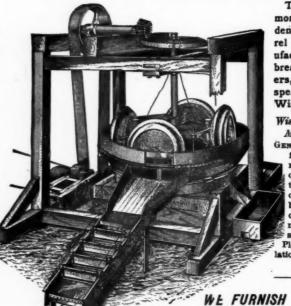
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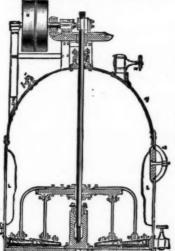
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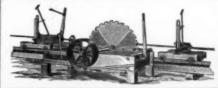
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BALTIMORE, APRIL 2, 1887.

Our Quarterly Review of the South's Industrial Progress.

In presenting our regular quarterly review of the South's industrial progress, we desire to call especial attention to the fact that the utmost care has been exercised to make our figures as absolutely reliable as possible. In the compilation and revision of this report for the last three months, over 5,000 letters and postal cards have been used. The amount of work that this means cannot be appreciated except by those who have attempted some great statistical undertaking of this kind. We have spared neither labor nor expense in this work. Our aim is to give the actual facts and to avoid the slightest exaggeration, for the facts themselves are bewildering enough. As repeatedly stated, it must not be understood that the aggregate total of capital and capital stock means an actual cash investment of that amount, for many of the incorporated companies whose capital stock is included in our statistics will not invest as much cash as their stock calls for, and others may never carry out the objects for which they were organized. Making due allowance, however, for this, the figures which we give to-day, showing what the South did during the first three months of 1887 in increasing its industrial interests, are startling in their magnitude. They enable us to gain some idea of the marvelous change that is now being wrought out in that section.

THE publishers of one of our Southern exchanges write us regarding our book, "THE NEW SOUTH," as follows:

"Allow us to congratulate you upon your latest enterprise, and to express the hope that not only may "THE NEW SOUTH" further the interests which was your intention for it, but also meet with such financial recognition as will to some extent reimburse you for your labor and expenditure in aid of the material interests of the South. We shall not fail to call attention to your work in our forthcoming edition, and to your adin our forthcoming edition, and to your admirably conceived mode of distributing the same, so as to bring it before the attention of just the very men whose advent to the South will be of the greatest benefit to

Statistics Needed.

One of the drawbacks of the period is that no man desiring to engage in any of the older manufacturing industries can ascertain whether there is room for another establishment. The only attainable information is that collected decennially by the census takers, but before that is collated and published conditions have changed. and in the two or three intervening years much has happened to impair the usefulness of those carefully prepared statistics. Nearly every new manufacturing enterprise must, in the nature of things, assume a risk and take its chances. What a blessing it would be if there was a central bureau of information whose statistics could be depended upon, that would give to the press monthly the same general facts about the chief manufactured products that are furnished the public about cotton, wheat, corn and other leading staples of commerce. If, in addition to these, the bureau should be required to give all information in its possession respecting any particular industry, then capitalists and enterprising men of small means could determine with reasonable certainty of being safe whether or not to embark in the enterprise they had under advisement. Some year or two since a national bureau of this kind was suggested in a letter to a New York paper by Hon. N. D. Sperry, a distinguished citizen of Connecticut. He agreed with Mr. Atkinson that there was then no general over-production in this country, but suggested that there might be at any time in the future, as there had been more than once in the past, and that the possibility of such a thing was a continual menace to the nation's prosperity. Because of this danger he urged that a governmental bureau be established at Washington that should serve the ends already mentioned. As the signal service wires its warnings of storms and the agricultural department its statistics of the condition of crops, so this bureau might keep the country informed of the condition of cotton, woolen, lumber, leather, iron, steel and other principal industries. There would be no insuperable difficulty in ascertaining the facts and putting them in shape for publication, and when they were thus scattered through the country they would operate to impair, if not to destroy, the power of monopolies, while at the same time affording a safe guide to men desiring to engage in manufacturing. Such a bureau as the Connecticut man proposed would, if managed in the spirit of the plan he had in mind, be of inestimable value to the South just now. Such a bureau would tell Smith how many saw mills were cutting persimmon and dogwood logs into blocks for shuttle blocks, and whether shuttle manufacturers got all the raw material needed, and whether the supply was equal to or beyond the demand.

Jones, Brown and every other man

who cared to know could learn the same about tobacco factories, woolen and cotton mills, agricultural implements, and a host of other things too numerous for mention. Trade unions and commercial exchanges could not ascertain such facts; only the national government can. Congress did not see fit to act upon this recommendation, and it remains the dream of its talented and eminently practical originator. But another Congress may take this subject under advisement and eventually establish the desired bureau. When such a system shall have been in operation a few months the people will wonder how they ever managed to get along without it. The South will especially realize its benefits, for the facts it will furnish will be both a guide and a safeguard. There will then be no overcrowding of a few industries, but, on the contrary, many never before attempted will be started and prosecuted profitably. New fields of enterprise will be opened, and the South will then be able to present to its young men, too many of whom it now loses, such fine business opportunities that it will be able to keep them at home. all ways the bureau of information planned by Mr. Sperry would be of advantage to the whole country, and of special benefit to the Southern

It is said that twenty-three new manufacturing enterprises have been organized at Decatur, Ala., within the last month or two. Many of them have already commenced work and others are getting into shape as rapidly as possible. Verily, Decatur is on the move. There seems to be no limit to the enterprise of the business men at the head of that town. A good illustration of this is given in the way they are making known the advantages of Decatur to the traveling public. Decatur is located on a through line of travel; it is an important stopping-place for meals for through passengers between the West and the South. Some five or six hundred people stop there every day for meals alone, and it is estimated that fully 2,000 travelers pass through the town every twenty hours. Knowing that travelers are always on the lookout for something to read, the Decatur Land & Improvement Co. have printed an immense number of pamphlets descriptive of the town, its resources and advantages, and one of these pamphlets is handed to every traveler passing through Decatur on the cars. In this way thousands of people from all over the country have the advantages of the town brought directly to their attention, and there are, of course, few travelers who do not read this pamphlet after it is handed to them. Many of them take it home and study it and then give it to their friends, and thus Decatur is reaping a harvest of untold industrial wealth through this little stroke of well-directed enterprise.

THE wonderful growth of Birmingham, Ala., is very strikingly illustrated in the increase in the assessed value of real estate from \$5,705,000 last year to \$20,000,000 this year.

Atlanta's Policy.

In one of the most practical of his economic essays Mr. Edward Atkinson took the position that there was no over-production in this country, but that the business ills charged to that account were really to be attributed to unequal distribution. This proposition was maintained by sundry and divers cogent arguments. Undoubtedly, as a general rule, Mr. Atkinson's position is sound, but, like every rule, it has exceptions, and Were these at present are many. distribution perfectly regulated these exceptions would still exist, for their first causes would not be changed. Over-production generally originates in ignorance or carelessness or the selfishness of trade. A manufacturer makes a certain line of goods that become popular and pay him a handsome profit. He pushes his production to the utmost, his competitors do the same, and finally the market is overstocked, and large amounts of capital are tied up in goods for which there is no demand. The strong houses take it as a thing of course and change their lines of production, while the weaker, because of their unavailable capital, are unable to work to advantage and begin to lose ground. The sagacious manager, whether merchant or manufacturer or farmer, goes at nothing hap-hazard. He studies the situation in all possible lights before he decides to venture, and thereafter he regulates his actions by well-defined principles and rules. Having decided that a certain article is needed, he estimates the probable extent of the demand, and whether there will be few or many to meet it. When these matters are settled to his satisfaction he goes ahead, and usually his venture is safe and profitable. The ignorant and careless lose where the sagacious man prospers, because they blindly follow his leading, knowing nothing of the limitations he has set to himself until too late to be of any avail. Let any who doubt this open their eyes to what is going on all around them. There has never been a time in this country when the danger of overproduction in many manufacturing industries was greater than now, nor has there been one in which the prospect of a long season of prosper ous business was more bright. danger comes from men engaging in industries they do not understand and multiplying them to such an extent that supply will shortly exceed demand. Atlanta merchants, who demand. rank among the shrewdest of their calling, have long foreseen this danger and endeavored to guard against Diversity is their watchword, and in all ways they labor to secure it. Every enterprise that will introduce a new industry they are ready to foster, for they know that those communities whose industries are greatly diversified are less liable to suffer in periods of business depression than those in which only one or two classes of goods are made. They know also that the greater the variety of industries the less the danger of overproduction. The policy of Atlanta should be the policy of the South. Once adopted, and then persistently pursued, and the development of the present will be but as the earlier waves that betoken the coming of the flood tide.

Very many of the extensive industrial enterprises,

FACTS AND FIGURES

That Tell of the South's Great Industrial Advance.

The Wonderful Increase in New Enterterprises in 1887 as Compared with 1886.

The first three months of 1887 witnessed the most remarkable industrial activity in the South that the world has probably ever seen. From one end of the South to the other the people have awakened to the vast possibilities of the future of this land on which nature has bestowed her blessings with such a lavish hand. While capital from the North and West, and also from Europe, is pouring into the South, and the tide of immigration has turned this way, yet full credit should be given to the people of the South for their share in this great work of building up their country. In truth, Southern men and Southern money have led the way and demonstrated to the world that the South is not lacking in energy, nor are her people waiting for others to come in and develop her resources. While the South heartily invites the co-operation of outside capital and men in this great work, yet she is by no means dependent upon them for success in carrying out the gigantic enterprises that are attracting the attention of the business world. It is indeed wonderful to see the abundance of money in the South ready for in. vestment in any enterprise that promises well.

The people of the West and the North, seeing the unequaled opportunities that the South now affords for engaging in manufactures, in mining, in railroad construction and in agriculture, are rapidly moving this way, and to-day the South and its great future are the almost universal themes of conversation. There is no longer any room, even in the most skeptical mind, for questioning the stability and permanency of the South's progress, and the almost unbounded prosperity which is opening upon that section. This prosperity has made itself felt first in manufactures and mining, but from these it is gradually spreading out to all other interests, and the swelling tide of men and money seeking openings for employment in the South is steadily enhancing the value of all real estate, and offering to the "land poor" farmers of the South opportunities for selling their idle land

at profitable prices.

The rapid growth of many of the industrial centers of the South, and the consequent increase in the value of real estate, have led to the organization of many land companies and to a real estate speculation that have some elements of harm in them, though not so dangerous as many have supposed. In the majority of cases these land companies, while heavily capitalized, are based on something solid, having the development of the industrial interests as the main security of their future prosperity. Hence they have devoted much attention to the establishment of manufacturing enterprises, and thus, while enhancing the value of their own property, have been instrumental in helping their whole neighborhood. That the speculative mania has been encouraged too much in some cases, and the price of real estate forced up too rapidly here and there, is of course true, yet it must be remembered that speculation is, to a certain extent, at the foundation of all trade, and that where the developments have been so gigantic as in the South, it is impossible to prevent some over-trading. Moreover, the value of real estate throughout the South has been entirely too low, and there was great room for a very large legitimate advance in city and in country property. works, agricultural implement factories, iron bridge

now being built in the South or in process of formation, have been secured only through the work of the land companies, and while, as we have often said before, there is some danger of this land speculation leading to the floating of dishonest schemes that might injure the whole South, yet we believe the industrial prosperity of that section has now been placed on too solid a foundation to be seriously injured by such wild cat enterprises. It would be well, however, for the leaders in this industrial movement throughout the South to examine carefully into every scheme brought to their attention, that wherever fraud is detected it may be exposed. During the first three months of 1887 about 40 land companies, having an aggregate capital stock of \$45,000,000, were organized in the Southern States. These companies were formed in some instances to build new manufacturing and mining towns, but many of them were organized to develop the industries of old places. At Anniston, for instance, the Anniston City Land Co., organized with \$3,000,000 capital stock, based on the ownership of nearly 3,000 acres of land, the splendid Anniston Inn, electric light works, water works and other property, the actual value of which is largely in excess of the capital stock of this company, are devoting their attention to the building up of the manufactures of that city by offering liberal inducements for the establishment of such enterprises there, and it is estimated that the works already commenced since the formation of this company will add at least 10,000 or 12,000 to Anniston's population as soon as completed. This is the only way in which an aggregation of capital and real estate can be united in the direct work of securing new industries in any place, and it is this feature of the work of the land companies that makes them of great value to a town. In Decatur we find another apt illustration. Decatur for years remained practically a dead town, giving but few indications of its magnificent possibilities ever being realized. A few months ago a land company was organized there, with a capital stock of \$7,500,000, for the purpose of developing the manufactures of the place. In less than three months of work we find Decatur becoming a great industrial center, and manufactures, we might almost say by the dozen, preparing to locate there. Among the enterprises actually organized there since January 1st solely through the efforts of this land company are several iron furnaces, immense works for making steam pumps, engines, &c., a cotton compress, an ice factory, gas works, iron bridge works, electric light works, extensive bark extract works, said to be the largest when completed in the world, three or four brick-yards, &c. Many other illustrations similar to these of Anniston and Decatur could be given, but they will suffice to show our point.

When we turn to the actual industrial progress of the South during the first three months of 1887, as measured by the list of enterprises established or organized during that brief period, we cannot but be amazed at the stupendous work that has been accomplished. Nothing, we believe, in history will afford a parallel. Moreover, this growth is based on the most substantial foundation. It shows a diversity of industries that is extremely gratifying. While the iron and kindred interests continue to attract the largest share of attention, they are not, as some have supposed, being developed at the expense of other industries. The construction of furnaces is proceeding rapidly, and the output of Southern iron in 1888 will be very large. But the South, not content to make pig iron for some other section to make up into finished goods, is building foundries, machine shops, iron pipe

works, rolling mills and similar enterprises with a rapidity that assures a home market for a very large proportion, if not for the entire increase in the production of pig iron. The importance of this is thoroughly appreciated, and no sooner is a company organized to build a furnace than arrangements are made for establishing in the same place industries to use up the pig iron that the furnace will produce. At every iron town in the South-Birmingham, Anniston, Chattanooga, Decatur, Bessemer, South Pittsburg, &c .- we see the truth of this statement. In all other lines of manufacture as well as in iron great advancement is being made. The cotton mills are enlarging their capacity by adding machinery, while new mills are going up in many places, and this, destined to be one of the greatest of all Southern industries, is receiving more attention than for several years. In the manufacture of furniture; in the canning of fruits and vegetables, for which the South affords such splendid opportunities; in lumber interests, &c., there is the same rapid growth noticed as in the larger industries of iron and cotton.

A summary of all the new enterprises reported by us to-day as actually organized or chartered during the first three months of 1887, and excluding therefrom everything simply talked of or rumored, but not yet decided upon, shows the enormous number of 926 new concerns, in addition to which we give the names of about 200 that have been enlarged or been rebuilt after having been burned. These 926 new enterprises are divided as follows: Furnace companies, 17; machine shops and foundries, 31; miscellaneous iron works of large extent, (including a \$500,000 rolling mill, iron pipe concern to consume 300 tons of pig iron a day, tube works, axe and tool works, architectural iron works, &c.,) 19; steel bloomeries, 2; mining and quarrying enterprises, 141; stove foundries, 2; cotton mill companies, 15; gas works, 15; electric light works, 17; water works, 22; ice factories, 35; cotton compresses, 9; canning factories, 22; furniture factories, 15; carriage and wagon factories, 12; shoe factories, 11; brick yards, 43; flour mills, 30; grist mills, 37; soap factories, 6; agricultural implement factories, 4; tobacco factories, 14; miscellaneous enterprises of many kinds, 217; and wood-working establishments, including sash and door factories, stave factories, planing mills, saw mills, shuttle block factories, &c., 189. There were also 110 railroad companies and 26 street railroad companies incorporated during the same period, and while many of them will probably never build their projected roads, yet a good proportion will do so; and the work of construction now under way on new lines and on the extensions and branches of old roads assure great activity in railroad building throughout the South during the balance of 1887.

Basing our calculations upon returns received directly by the MANUFACTURERS' RECORD, amply authenticated and verified, and in the case of incorporated companies, compared with the official reports of the State officers, we find that during the first 3 months of 1887 the amount of capital, including capital stock of incorporated companies, represented by the new manufacturing and mining enterprises organized or chartered at the South, and in the enlargement of old plants and rebuilding of mills that were destroyed by fire, not including the land companies organized to develop manufactures aggregates about \$85,000,-000. It is of course true that with some of these companies the actual cash investment is not so large as the amount of their capital stock; but there are hundreds of small manufacturing enterprises, portable saw mills, small grist mills, ginneries and similar small industries, costing from a few hundred to a thousand dollars, that are not included in this list. The aggregate cost of these

would be very considerable and partly, though not wholly, offset the too great capitalization of some incorporated companies. Moreover, many of the large land companies, which are not included in this list, will really invest quite heavily in manufactures by aiding others to establish new industries. In addition to these, every manufacturing enterprise is constantly adding here and there a new piece of machinery, which in the aggregate is very great; but we take no account of that, only including cases where a mill is greatly enlarged, remodeled, or other extensive improvements made.

Summing up the amount of capital and capital stock represented by our list of new enterprises, the enlargement of old plants and the rebuilding of mills after being burned, for the first three months of 1887, and comparing it with the corresponding time of 1886, we have:

	First three	months of— 1886.	
Alabama	\$19,784,000	\$ 3,345,500	
Arkansas	8,940,000	6,110,000	
Florida		485,000	
Georgia		530,000	
Kentucky		9,648,200	
Louisiana		979,000	
Maryland		3,215,000	
Mississippi	x,738,000	135,000	
North Carolina		715,200	
South Carolina		90,000	
Tennessee		2,324,000	
Texas		1,991,000	
Virginia	6,512,000	4,502,500	
West Virginia	2,499,000	3,486,800	
C -1 - C 01 C- 1	\$84,940,000	\$36,557,200	
Southern Cotton Oil Co., i porated in New Jersey to oil mills in the South	build	******	
Total	\$39,940,000	\$36,557,200	

As compared with the first three months of capital and capital stock shows a most astonishing increase. The capital and capital stock for the first three months of 1887 is more than double the amount for the same time last year. We give to-day a list of 926 new enterprises reported during January, February and March, while one year ago our list for the first quarter of 1886 showed only 445 new enterprises, the total this year in number as well as in investment being largely more than double for the same time 1886. Our list of new enterprises for the first three months of 1886 occupied but a little over one page of the MANUFACTURERS' RECORD; to-day the list for the first three months of 1887 occupies nearly three pages.

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A comparison of the number of the principal kinds of industries established during the first three months of 1887 with the same time last year will show that there has been a uniformly rapid

	First three 1887. Number.	months of 1886. Number.
Machine shops and foundries	. 31	17
Iron furnace companies	. 17	4
Agricultural implement factories		4
Flour mills		18
Cotton mill companies		3
Furniture factories		7
Gas works		9
Water works		8
Carriage and wagon factories		12
Electric light companies		12
Mining enterprises		28
Lumber mills		110
Ice factories	. 35	19
Canning factories	. 23	1

In miscellaneous enterprises the increase has been equally as great as in the industries which we have named.

Is there not serious danger, we are sometimes asked, of the manufacturing business of the South, especially of iron, being overdone? Many people, it seems, are under this impression. They who think this way have failed to study the present condition of the South and its future prospects. It must be remembered that the South is a country of vast extent, of large population, and of elements of wealth that guarantee a large immigration. Owing to conditions too well understood to need discussion here, it was not until 1879 or 1880 that the industrial possibilites of the South commenced to attract much attention. Since then the development of these interests has gone on steadily, increasing in extent from year to year, until

we now see the wonderful progress recorded by the Manufacturers' Record to-day. Even yet, however, a very large proportion of the manufactured goods-the iron, the hardware, the agricultural implements, the cotton and woolen goods and thousands of other things-consumed in the South are manufactured elsewhere. Were the population of the South to remain stationary and the purchasing power of its inhabitants not increased, it would still take some years, at the present rate of progress, before the South could produce enough manufactured goods to meet the consumption of that section. Instead of this, its population is rapidly increasing, while prosperity is becoming more general, thus in two ways steadily enlarging the consumptive demands of the South. To keep up with this increase in consumption will require a large increase in production over and above what would be necessary if the purchasing power remained stationary. Then when, after some years of rapid growth, the South is able to manufacture enough goods for its own wants, its facilities for cheap manufacturing will enable it to enter the markets of the North and the West, as well as many foreign countries, with such advantages as to insure a large business. There need be no fear of the South's industrial progress being too rapid for a good many years to come.

In the following list we give the name, location and character of business of the new enterprises 1886, the list of new enterprises for the corres- organized during the three months ended March 31, ponding time of this year, and the aggregate of 1887, and existing establishments rebuilt (after being burned) or enlarged, etc.:

	ALABAMA,	
LOCATION.	NAME.	BUSINESS.
	Woodstock Iron Co Anniston Pipe Works Morrison Bros. & Co	
Anniston	Anniston Pipe Works	Iron Pipe Works.
Anniston	Langley & Duke	Shee Factory.
Appiston	Anniston Bottling Works	Bottling Works.
Anniston	Drewry Bros	Brick Works.
Anniston	Anniston Gas Works,	Gas Works.
Anniston	W. W. McAfee	Brick Works.
Anniston	Wm. Gatchell	Brick Works.
Anniston	James & D. Noble	Double Boiler Works,
Anniston	I. O. Cross	Shoe Factory.
Anniston	Murray & Stevenson	Enlarging Foundry.
Alabama	Shelby Coke, Iron & Steel Co.	Iron and Steel.
Alabama	Woodstock Iron Co. Anniston Pipe Works Morrison Bros. & Co. Langley & Duke. Morrison Bros. & Co. Langley & Duke. Morrison Bros. & Co. Langley & Duke. Morrison Bros. & Co. Anniston Gas Works. Farrar & Leak. W. W. McAfee Wm. Gatchell James & D. Noble. W. T. Farrar. J. O. Cross. Murray & Stevenson. Shelby Coke, Iron & Steel Co. Wetumka & Coosa River! Canal & Mig. Co. Sipsy Valley Land, Mining & Imp. Co. New South Iron & Steel Co. A. & A. W. Cox. St. Clair Land & Imp. Co. Pawnee Land & Mineral Co. D. E. Cason. Black Bros. N. Ala. Real Estate Iron & Mining & Imp. Co. Walter W. Davin. Bessemer Rolling Mill Co. Bessemer Rolling Mill Co. Bessemer Rolling Mill Co. Bessemer Rolling Mill Co. Hompson Brick Co. Birmingham Land & Taning & Mig. Co. Ala Carriage & Wagon Co. Thompson Brick Co. Birmingham Land & Toning & Mig. Co. Last Birmingham Axe & Tool Co. Trammel & Co. East Birmingham Machine & Forge Co. Enterprise Mig. Co. Firmingham Min. Paint Co. Muckenhoupt Bros. Alken & Lighton. Birmingham Min. Paint Co. Muckenhoupt Bros. Sirmingham Min. Paint Co. Muckenhoupt Bros. Alken & Lighton. Birmingham Shoe Factory.	Manufacturing.
Alabama }	ing & Imp. Co	Mining, &c.
Alabama	New South Iron & Steel Co.	Manufacturing, &c.
Ashville	A. & A. W. Cox	Saw Mill.
Ashville	Pawnee Land & Mineral Co	Mining and Manufacts'ng
Ashville	D. E. Cason	Enlarge Tannery.
Athens	Black Bros	Brick Works.
Athens	& Mfg. & Imp. Co	Manufacturing, &c.
Bessemer	Bessemer Rolling Mill Co	Terra Cotta Works, Rolling Mill.
Bessemer	Bessemer Mfg. Co	Sash and Door Factory.
Birmingham	Ala. Carriage & Wagon Co	Carriage & Wag. Factory.
Birmingham	Birmingham Land & Tan-)	Drick Works.
Birmingham	ning & Mfg. Co	Leather, Boots, &c.
Birmingham {	& Land Co	Asphalt.
Birmingham	Birmingham Axe & Tool Co. Trammel & Co	Axe & Tool Works, Planing Mill.
Birmingham	East Birmingham Archi-	Iron Works.
Birmingham.	Birmingham Machine &	Machinery, Tools, &c.
Birmingham	Foundry Co	Saw Mill
Birmingham.	Peacock Coal, Iron & Imp.	Mining. &c
Pi-mingham	Birmingham Iron Bridge &	Bridge & Porce Works
Birmingham.	Forge Co	Paint Factory
Birmingham	Muckenhoupt Bros	Planing Mill.
Birmingham	Aiken & Lighton	New Machine Works.
Birmingham	Not Gos & Oil Pros. Co.	Shoe Factory.
Birmingham	H. A. Briggs & Co	New Sheet Iron Works.
Birmingham {	Birmingnam Min. Faint Co. Muckenhoupt Bros. Aiken & Lighton Birmingham Shoe Factory. Nat. Gas & Oil Pros. Co H. A. Briggs & Co. Ala. Artificial Stone & E. Brick Co A. R. Chavois.	Artificial Stone Works,
Birmingham	A. B. Chavois	Plan'g Mill & Sash Fac'y.
Birmingham	Southern Electrical Co	Electrical Apparatus.
Birmingham }	ing & Corrugating Co	Roofing Works.
Birmingham	Southern Bridge Co	†Boiler Works.
Birmingham	Birm. Gas & Illum. Co	Quadruple Works.
Birmingham	New Orleans & Ala. Coal	Mining and Manf
Birmingham	& Coke Co	Trunk Factory
Birmingham	Elyton Land Co	Roundhouse & Mach. Shop
Birmingham	Anglo-Birm. Pottery Co	Pottery Works.
Birmingham }	Ala. & Connellsville Coal & Coke Co	400 Coke Ovens, &c.
Birmingham	Birmingham Paint Mfg. Co.	Paint Factory.
Birmingham	N. Ala. Oil & Asphalt Co	Oil and Asphalt.
Birmingham	Enterprise Rolling Mill Co	Rolling Mill.
Birmingham	Birming, Cement Mfg. Co	Cement Works.
Birmingham	Highland Avenue & Belt !	Machine Shops
Dimingham	Ala. Artificial Stone & Brick Co	Water Warks
Brewton	Water Works Co	+Mill
Middleton	W. D. McCarty Calera Boot & Shoe Factory Calera Char. & Chem. Wks. Buckhannon Boiler Works	Saw Mill.
Calera	Calera Char & Char Who	Shoe Factory.
Calera	Buckhannon Boiler Works.	Boiler Works.
Calera	Calera Handle Factory	Handle Factory.

LOCATION.	NAME.	BUSINESS. Brick Yard. Foundry. Water Works. Lumber Mill. Rice Mill. Tannery. Water Works. Mining, &c. Charcoal Furnaces, &c. Electric Light Works. Cotton Compress. Machine Works. Natural Gas, &c. Brick Yard. Ice Factory. Brick Works. Bridge Works. Purnaces, &c. Purnaces, &c. Planing Mill. Cotton Compress. Planing Mill. Cotton Compress. Planing Mill. Grist Mill. Brick Yard. Quarrying. Brick Yard. Gas Works. Water Works. Canning Factory. Mining, Furnace, &c. Brick Works. Water Works. Canning Factory. Mining, Furnace, &c. Brick Works. Le Factory. Brick Yard. Gas Works, &c. Electric Light Lores. Gas Works, &c. Electric Light Works. Ice Factory. Brick Yard. Flour Mill. Saw Mill. Sococoke Ovens & 5 New & Coal Mines. Stone Quarry. Gen Larged Planing Mill.
CaleraC	alera Brick Yards	Brick Yard.
CaleraC	alera Foundry Co	Foundry. Water Works.
ChunchulaM	L. Davis	Lumber Mill.
Collinsville	- Welbanks	Tannery.
Cullman C	uliman, Land & Imp. Co	Water Works.
DecaturD	ecatur Charcoal Chem. Co.	Charcoal Furnaces, &c.
Decatur D	ecatur Electric Light Co.	Electric Light Works.
DecaturIv	rens & Son Machinery Co	Machine Works.
DecaturR	. H. Whitman & Co	Brick Yard.
DecaturD	ecatur Ice Co	Ice Factory.
DecaturD	ec. Iron Bridge Con. Co	Bridge Works.
DecaturB	ak Bark Extract Co	Gas Works, Bark Extract Works,
Decatur { D	ecatur Land, Improve-	Furnaces, &c.
DecaturD	ecatur Wheelbarrow Co	Wheelbarrows.
DecaturI	ohn C. Webb	Planing Mill. Cotton Compress.
EdenM	I. L. Maxwell	Planing Mill & Grist Mill.
EnsleyE	nsley Mfg. & Imp. Co	Planing Mill.
EufaulaE	ufaula Water Co	Water Works,
Farmville W	lley Chambless	Grist Mill.
FlorenceA	labama Marble Co	Brick Yard. Ouarrying.
FlorenceG	lasgow	Brick Yard.
Florence }	Light Co	Gas Works.
FlorenceF	lorence Water Works Co.	Water Works.
Florence F	lor. Coal, Coke & Iron Co	Mining, Furnace, &c.
Florence	W. Swartz	Brick Works, Planing and Shingle Mill.
Florence } F	lorence Chemical, Coal &	Chem. Works & Iron Fur.
GadsdenG	adsden Ala. Furnace Co	2 Furnaces.
GadsdenG	adsden Land & Imp. Co	Gas Works, &c.
Gadsden	uces City Electric Et. Co.	Ice Factory.
GadsdenJ.	M. Chadwick	Brick Yard. Flour Mill.
Garden City	* 01	Saw Mill.
HartselleS.	W. Shackelford	Wagon & Carriage Fact'y.
HartseileB	radley Bros	Saw and Grist Mill.
HullSi	mith Lumber Co	Saw Mill.
Jasper C	. C. Harris & Freeman	Flour Mill.
LarkinsvilleW	7. C. Stephens	Saw Mill.
MiddletonW	IcKinnon & Steater	Bucket & Broom Factory.
MobileG	age & Co	Ice Factory.
Mobile A	mer. Imp. Anti-friction Co.	Anti-Friction Metal.
MobileM	IcIntosh Mill Co	Saw Mill. Dry Dock.
Montgomery . T	he Lost Creek Coal & }	Mining, &c.
Montgomery C	oleman & Reynolds	Horse-shoe Works.
Montgomery . { Ja	orger-Townly Coal & L	Mining, &c.
Montgomery M	on, Char, Fur, & Chem. Co.	Charcoal Furnace.
Montgomery C	avis Bros	Brick Works, Ice Factory,
Mount RossellC.	ard & Cunningham	Saw Mill.
Oxana	xana Stove Works	Stove Works.
PollardE	scambia Lumber Co	Saw Mill,
Pratt MinesT	enn. Coal, Iron & R. R. Co.	Coal Mines.
Refuge I	B. Hall	Coal Mines. Stone Quarry. Gin. Gin. Enlarged Planing Mill. Saw Mill. Mining, &c. Lathe Mill. Bottling Works. Ice Factory. †Planing Mill. Furnaces, &c. Dou.Carriage & Wag. Fac. Doubled Brick Works. Cotton Compress.
RenfroeD	. W. Rogers & Co	Enlarged Planing Mill.
Security 1 Sc	cottsboro R. R. Iron & (Mining &c
Sedden Te	Coal Co	Tashe Mill
SelmaW	ells & Co	Bottling Works.
Selma	Hayward	Ice Factory.
Selma § Se	elma Land, Imp. & Fur-	Furnaces, &c.
SelmaC	anning & Son	Dou. Carriage & Wag. Fac.
SelmaA	. J. Mullen	Doubled Brick Works.
Sheffield Sl	hef'd Land, Iron & Coal Co.	Electric Light Works.
SheffieldSl	W. Carter	Enlarged Sash Factory. Machine Shop & Foundry
SheffieldSl	heffield Ice Co	Ice Factory.
Tallassee Falls. T	allassee Falls Mfg. Co	Additional Machinery.
Tuscaloosa J.	L. Maddox	†Brick Yard.
Tuscaloosa	Land Co	Mining, &c.
TuscaloosaF	riedman Furnace Co	Furnace.
Tuncaloosa }	R. E. & Mfg. Co	Manufacturing & Mining.
Williams' Sta'n, W	J. Mullen hef'd Land, Iron & Coal Co. heffield Mfg. Co. W. Carter heffield Ice Co. H. Nance allassee Falls Mfg. Co. L. Maddox. uscaloosa Coal, Iron & Icedman Furnace Co. uscaloosa & Castle Hill & R. E. & Mfg. Co. f. M. Caroey.	Planing Mill,
	ARBABBAB.	
BearSi	ost Louisiana Mining Co mith Mining & Smelt. Co	Smelter.

ost Louisiana Danner Co. Smenson. P. Suydam Mining Co. Mining. ear Nut Mining Co. Mining. ear Nut Mining Co. Mining and Shingle Mill. ylph Mining Co. Gold Mining. tobbins, Cross & Cleveland. fGin, flomas Cox. Planing Mill. Freenville Barrel Co. Stave Factory. Webb & Brown Flour Mill. Wagon Co. Wagon Factory. Greenville Barrel Co. Stave Factory. Webb & Brown Flour Mill. Switzer Wagon Co. Wagon Factory. Fort Smith Ice & Refrigerator Mig Co. Ice Factory, &c. Fort Smith Canning Co. Canning Factory. J. G. Miller & Co. Coal Mining. Fort Smith ... Canning Factory. Enlarged Planing Mill. Coal Mining. †Mining. †Mining. Coal Mining. Mining. Fort Smith... Fort Smith ... Fort Smith, m. Golden City... Golden City... Hackett City... Golden City Mining Co. Emily Mining Co. Kan. & Texas Coal Co. Taylor Howard. E. Hogaboom. Mining. Electric Light Works Smelter. Mining, &c. Mining. Lumber Mills. Paints. Little Rock. Little Rock. Little Rock. Little Rock. Little Rock. Little Rock, Little Rock. Machine Shape States Hacy, Lumber, Himp'd Cotton Press Facy, Slate Quarry, Plow Factory, Lumber, Wool Carding, Carles Mill,

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LOCATION. NAME. BUSINESS.	LOCATION. NAME. BUSINESS.	LOCATION. NAME. BUSINESS.
Pine Bluff St. Louis Water, Light & Water Works. Power Co Doubled Ice Factory Doubled Ice Factory.	Soque Sogue Woolen Mills Double Woolen Mill.	BladensburgW. J. SpicerFlour Mill. BrooklynBudesheim & MewshawSaw Mill and Box Factory
Pine Bluff Pine Bluff Ice Factory Doubled Ice Factory .	Soque Sogue Woolen Mills Bobbin & Shuttle Factory. Tallapoosa W. A. Preston & Kingley Sash & Door Factory.	Buckeystown. A. W. Nicodemus Creamery. Calverton Sheep Butchers' Association. Fertilizer Factory, &c.
Pine Bluff Rison Lumber Co Lumber Mills. Pine Bluff M. W. Tag_art Ice Factory. Poplar Bluff. Fred. Myers	Tallulah Wm. Berry Bobbin & Shuttle Fact'y. Waynesville L. R. Battle & Co Saw Mill. Waycross Lloyd & Adams Bottling Works.	Cambridge Calvert Orem Shell Mill.
Poplar Bluff Fred. Myers	Waycross Lloyd & Adams Bottling Works. West PointLanier Bros	ColoraBalderston & RussellCreamery. CumberlandR. D. Johnson Milling CoImproved Flour Mill.
Prescott Russelville A. E. Tucker & Son + Grist Mill. Sea cy County. H. D. Field Smelter.	White County†Gold Mining.	Easton B. H. Brenneman Saw Mill.
Silver City Bates & Brown	KENTUCKY.	Carberidge Calvert Orem. Shell Mill. Colora. Balderston & Russell. Creamery. Cumberland. R. D. Johnson Milling Co. Improved Flour Mill, Easton. B. H. Brenneman
Tillar O. T. WilsonShingle Mill.	Ashland Rogers Aut. Time Stamp Co. Time Stamps.	Goldsborough Wm. C. Satterfield
Van BurenVan Buren Canning CoCanning Factory.	AshlandAshland Fdy. & Mche, Wks. Enlarged Works, AshlandJ. D. WilliamsPlaning Mill.	Harford County John James
Walaut Ridge. Brown & CherrySaw Mill.	Ashland J. D. WilliamsStave Factory. AstoriaAstoria Mill CoMill.	Level John R Walker Canning Factory
FLORIDA.	Astoria Mill Co	LineboroAdam RohrbackDistillery. Mayb:rryEmanuel HeltabridleChair Factory.
AltamonteG. W. MoyersSash & Door Factory. Apalachicola. Apalach'la Ice & Can'g Co. tlee Factory.	Butler Perry Ducker	Middletown South Mountain Creamery. Creamery.
Bartow Bartow orick Manf. Co Brock Works. Belleview Canning Factory.	Covington Sheppard Coal & Coke Co. Coal Mining	Mt. Winans John Hoffman Brick Yard. North East McGaw Bros Canning Factory.
Crescent City Brick Yard, Fernandia Cressote Lumber & Con. Co. Cressote Works.	Covington Am rican Laundry Co Furnishing Goods Factory. Covington American Comp. Fuel Co Patent Fuel. Covington Ky. Nat. Gas & Min. Co Natural t.as.	Oakland Robert Anderson Coal Mining.
ort Wh teV J. HerlongSaw Mill.	Covin ton Western Oil & Gas Co Natur I Gas.	Port Deposit Reynolds Bros Can Factory, Reckord H. Reckord & Son Grist Mill. Right Concepts
ort WhiteV J. Heriong	CovingtonJ. G. Busse	Rising van. Caleb Conner Creamery. Rockville Flour Mill. Springville J. D. Sharer Flour Mill. Towson Vowson Water Co. Water Works.
Gaine ville Manfield & Sewell Variety Works, Gr hamville Delk s Buff Moss Co Moss Factory.	DoverJohn S. WilsonGrist Mill.	Tow-on l'owson Water Co Water Works.
Hague E Baird & Bro. Saw Mill	En erprise James Holien	Tunis Mills. W. W. Tunis & Bro. New 1 umber Machinery, Upper X Roads C T. Scarff. Grist Mill. Washington. Jarman Imp. Ice Mche. Co. Ice Factory. Webster. James H. reston. New Canning Factory.
Jacksonville E. Mou ie's Florida Floral Perfumery Factory. Ferfumery Co	Ford H. C. Long Planing Mill.	Washington Jarman Imp, Ice Mche, Co. Ice Factory.
In ksonville N t. Mining Co., of Va Mining, &c.	Frankfort	we-timinater U. S. rieuge Fence Co Redge Fences.
Key West. D. L. Trux.lls & Sons Cigar Factory. Key West C. L. Huel-enkamp & others, Water Works, Kissima e R. W. Seymour Saw Mill.	Harrodsburg. Heating (o Natural Gas, &c.	Wilna
Kissimin eR. W. SeymourSaw Mill.	HendersonCumberland Iron & Land Co.Mining, &c. HendersonGeo. Delker and others Carriag & Wagon Fact'y.	MISSISSIPPI.
Lake Locke Saw & Planing Mill. Lake Locke R. A. Mci ane Shingle Mill.	Hopkinsville . Hopkinsville Coal, Iron & Mining.	Biloxi Biloxi Artesian Ice Mfg. Co. Ice Factory.
McMeekin Gainesville Mfg. CoSash and Door Factory.	Hopkinsville Hopkinsville Coal, Iron & Mining & Wagon Fact y. Lexington Lex Spoke & Wheel Co Increased Capital. Limestone S. T. Berry Saw Mill. Louisville Commonw aith Land & Lumber, &c. Lumber Co Commonw & Lumber, &c.	Columbus A. Leckeniy Broon Factory. Co umbus Tombigbee Mills Cotton Mill. Columbus C. R. Wood Planing Mill.
O.k HilCook, Sheehan & HankinsSaw M. II.	Louisville Commonw alth Land & Lumber, &c.	ColumbusC. R. WoodPlaning Mill.
OrlandoG. R. Nichols Artificial Stone Works.	LouisvilleChess & Wymond CoCooperage.	Edwards Magnolia Cream'y & S.ock Creamery
Orlando G. R. Nichols Artificial Stone Works. Pom ma G. A. & G. K. Squier aw Mill. S.nf d Emmett Herndon Wood-working Factory.	Louisville Chess & Wymond Co Cooperage. Louisville Peerle-s Manf. Co Enlarged Foundry. Louisville Bedford Consol. Stone Co Stone.	Corinth — Haynes Saw Mill. Edwards Magnolia Cream'y & Sock Creamery. Enterprise Enterprise M.n. & Fur. Co. Mining, &c.
Sanf rdD. P. BurdonBox Factory. SaubleBrick Yard.	Louisville Farmers Unai Co Fertilizer Factory.	Greenville Greenville Ice M'g. Co Improved Ice Factory. Jackson Sligo Creamery Creamery.
Silver Springs. Proskey Bros	Louisville Astoria Vencer Mills & Vencering Works.	Kosciusko Kosciusko Tauning Co Tannery,
Sisco	Louisville Kentucky Vinegar Co Vinegar Factory.	Madison Stat'n
Tampa Tampa Electric Light Co Electric Light Works. Titusville Knox & McDonnell Artificial Stone Factory.	Louisville Maize Oil Cake Co Maize Oil. &c, Louisville Pictet Spring Water Ice Co. HCe Factory.	Natchez
Wewhi chka J. R. Hollinger & Stone Sa & & Shingle Mill. Welaka Dallow & Russell Shingle Mill.	Louisville Brush Electric Light Co Improved Plant.	Vicksburg
	Louisville Common Sense Fertil Co Fertuizer Works.	V cksburg Bck Bros Brick Yard.
GEORGIA.	Louisville	Vicksburg United Gas Improvement Co. Improved Gas Works. VicksburgVicksburg Cotton-Seed Co. Cot see 1 Clean, & Oil Mill.
AlapahaFulwood, Son & CoSaw Mill. AmericusBrice Adams	LouisvilleSpence Sky Blueing Book Blueing Factory.	Water Valley North Mississippi Mfg. Co., Tannery
Athens Hunnicut, Lyndon & Mc- Planing Mill. Atlanta. Seminole Blood Purifier Co. Patent Medicines.	Louisville Globe Fertilizer Co	Winona A. B. Waddington Corn Mill. Yazoo City T. M. Muse Brick Works.
AtlantaSeminole Blood Purifier Co. Patent Medicines,	Louisville Kentucky Coal & Iron Co., Coal and Iron	NORTH CAROLINA.
Atlanta Atlanta Improvement Co Mining, &c. Atlanta Schuman i harmaceut'l Co. Medicines.	Louisville Rogers Tuley & Co Paper Box Factory, &c. Ludlow Central Pneumatic Tool Co. Tool Works.	Abbottsbury D. W. Thompson Saw and Grist Mill.
AtlantaJ. F. Cooledge & Bro Paint Factory. AtlantaEtowah Iron & Manga. Co3 Furnaces, &c.	Maysville Maysville Hedge Co Hedge Fences, Maysville Ripley Cigar v. fg. Co Cigar Factory.	AshevilleAshville Gas Light CoGas Works. AshevilleBlue Ridge Lumber Co†Planing Mill.
Atlanta Hand Fire Annihila or Co Chemical Engines,	Maysville Ripley Cigar vfg. Co Cigar Factory. Milldale Mills Distilling Co †Re tifving Works. Newport Hydro-Pneu. Car Brake Co. Car Brakes.	AshevilleA. Q. Ross
Atlanta Dallas Mining Co Mining.		Ashe County Iron Ore Mining.
AtlantaGeor-ia Soap CoSoap Factory.	Nicholasville — Sparks. Twine Factory. Owensboro. J. F. Kimbley Carriage Factory. Owensboro J. R. O-borne & Son Enlarged Planing Mill. Paducah John Gilbert, Prest	Ashe County
Atlanta	Owensboro J. R. O-borne & Son, Enlarged Planing Mill,	Blue WingCopper Mining & Mica Co Mining. Blue WingW. Kaker and others
AtlantaAtlanta Marble Co Marble Quarrying. AtlantaAdair Bros. & CoAgricul. Implement Fac'y.	Padu ah Paducah Natural Gas Co Natural Gas.	Blue WingCopper Min. & Smelt. CoMining, &c. Buncombe Co
Augusta The Sibley Mfg. Co Additional Machinery	Tolle-boro A. B. Grigsby & Putnam Saw and Grist Mill. Uniontown	Charlotte Point Gold Mining Co Mining. Charlotte Setzer & Carson Handle Factory.
Augusta	WilliamsburgJ. J. Needles and others Coal Mining.	CharlotteSetzer & CarsonHandle Factory. CharlotteCharlotte Plow & Mche, Co. Plow Wo.ks. ColumbusA-heville Lumber CoSaw Mills.
Augusta G-orgia Cons. & Invest. Co. Manufacturing. Augusta Enterprise Mfg. Co Additional Machinery. Ball Ground Blue Ridge Marble Co Marble Cutting Mill.	LOUISIANA.	Connelly's Spgs. McIntire, Warlick & Co Tobacco Factory.
Ball Ground Blue Ridge Marble Co Marble Cutting Mill, Barnesville R. A. Weldon	AlexandriaJ. M. Nugent	Durham R. J. Rogers Marble Works. Durham Durham Cotton Mfg. Co Dye Factory.
R. rrow County Roberts & Hunton Gold Mining.	Alexandria	Durham
Be ton	CheneyvilleGeo, W. Bennett and others. Ginnery and Broom Fac'y. ChopinChopin Lumber C)Lumber Mills.	Durham Durham Gas Co Gas Works,
Rema wick 1. R. Hattle & Co Saw Mill	CrowleySouthwestern La. Land Co. Rice Mill.	Favorteville Hope Mfg Co. Dve Fac & En Cot Mill
BrunswickSafford, Ames & CoSaw Mill. BrunswickPatent Piling Protector Co Filing Work.	CrowleySouthwestern La. Land Co. Brick Yard,	Fayetteville Brush Electric Light & Electric Light Works. Payetteville James D. McNeil Cotton Mill. Forest City I. N. Biggerstaff Saw and Grist Mill.
Brunswick Patent Pining Protector Co Tining work. Brunswick South Georgia Mfg. Co Crate and Basket Factory.	East PointB. W. Marston+Ginnery. Farmerville,W. H. Hearn†Ginnery.	Fayetteville James D. McNeilCotton Mill.
Brunswick. South Georgia Mig. Co	Y # D 11 C 1 11 0 7 1 1 1 C Will	ranklinion Mitchell & Jehries I obacco factory.
Canton Robertson Mining Machinery.	Jenerson Parish. Schin de de Zeigter	Castonia I R Real Sash Factory
Canton D. G Palmer	Lanesville J. G. Lane & Son. Saw Mill. New Iberia. C. W. George. Cistern Factory. New Iberia. C. W. Georges. Planing Mill. Natchitoches. Red River Land Co. Cotton-seed Mill.	Goldsboro Water, Gas & Gas & Electric LightW'ks.
Canton Avery & Jarvis Tannery. Canton D. G. Palmer Mining. Clayton W. C. Donaldson & Free Grist Mill.	NatchitochesRed River Land CoCotton-seed Mill.	Sibsonville
Columbus E. M. Walsh & Co Refrigerating Apparatus. Columbus E. M. Walsh & Co Vinegar Factory.	New Orleans R. Guelton & Chas. J. Babst. Artificial Marble Works.	GoldsboroH. L. Grant
Columbus Erminger & Lundy Candy Factory	Consent City Seltrer & 1	GrahamOneida Cotton Mills Enlarged Cotton Mill. Greensboro Wm. Love
Convers J. H. Almond, Sr	New Orleans Keiffer BrosShoe Factory.	Preenchara Brooks & Love thew Lumber Mill
Dalton C. T. 197. Planing Mill. Decatur W. J. Houston. Bucket Factory. Douglasville C. C. Post and others Canning Factory.	New Orleans Keiffer Br.s	Sulf
	New Orleans Petroleum Pro-pecting Co Bore for Petroleum.	ienderson Hendsn. Gas & Elec. Lt. Co. Gas & Electric LightW'ks, lickoryA. Whitener & Son
Eastman	New Orleans. Crescent City Stave & Saw Mill. Mig. Co. New Orleans. New Orleans Publishing Co. Printing, &c.	ligh PointSnow & DaltonEnlarged Sash Factory.
Gainesville Gainesville Cotton Milg. Co. Cotton Mill. Gainesville North Georgia Shoe & Shoe Factory.	New Orleans New Orleans Publishing Co Printing, &c. New Orleans Cotton World Pub. Co Printing, &c.	lickory A. Whitener & Son. Saw Mill. ligh Point. Snow & Dalton. Enlarged Sash Factory. ligh Point. Modern Barra Smoking To Tobacco Factory. ligh Point. Empire Plaid Mills. Cotton Mill.
Gaigesville American Match Co Enlarged Match Factory.	New Orleans Creole Mfg. Co	Iope Mills Hope Mills Co Dye Factory.
Gainesville American Match Co Enlarged Match Factory. Griffin Andrew & M. L. Bates Fertilizer Factory. Haml t M. A. Maher Stone Quarry.	New Orle ins. F. Koester. Soap Factory. New Orleans. Smith & Goldsmith. Cotton Compress. New Orleans Chemia I Works & Fur. Plaquemine. Thompson & Compton. Saw and Shingle Mid.	loge Mills. Hope Mills Co
Hamlet M. A. Maher Lime Works,	Plaquemine Thompson & Compton Saw and Shingle Mid.	Geversville James Keever & Co Shuttle Block Factory. Gernersville Huff & Stewart Buggy Factory.
Jamaica Ellis & Bartle	Plaquemine,Cypress Sningle & Lum. Co.Sningle Mill.	eyser R. M. Conch Grist Mill and Gin. eyser R. M. Conch Lathe and Shingle Mill.
		- Carriage & Wagon Fact'y. - Latte and Shingle Mill. - Carriage & Wagon Fact'y. - Latte and Shingle Mill. - Carriage & Wagon Fact'y. - Carriage & Wagon Fact'y.
Marietta Geo. S. Burnap †Foundry& Machine Shop, Milledg ville W. Boyles & Welliford Spring Bed Factory. Milledg ville Willedge. Cotton Comp. Co. Cotton Compress.	Sibley J. G. Lane & Son Saw Mill. Winfield C. C. Carroll Marble Quarry.	Ouisberg Wesley Burnett
	WinheldC. C. Carroll	lewberne James Boyle Saw Mill.
Nelson	MARYLAND.	Jount Airy Alexander J. Thompson Cotton Mill. lewberne James Boyle Saw Mill. lewberne A. D. Demson Double Oil Mill. lorth Carolina Mumford Gold Mine †New Machinery.
Perry Perry Variety Works Broom Factory.	Baltimore McCormick Car'ge Mig. Co. Carriage Factory.	fort Carolina, N. C. Bullion Co
Pla nville J. Taliaferro. Slate Quarry. P ulan	Baltimore Guinn Pioneer Medicine Co. Patent Medicine.	nslow County. K. E. Terry
Rockmart E. Tena., Va. & Ga. R. R. Stone Quarry.	Dairimore has Co	vf.rd Granville Tobacco Lo Tobacco Factory
Rockmart Rockmart Spoke Co Spoke Factory. Rockmart Ferguson & Fomoo Planing Mill.	Baltimore Coquimbite Batt'y & Electric Light Apparatus.	xford, near. W. B. Crews
Rockmart Feligibon & Founds Slate Ma hinery.	Baltimore Coquimbite Batt'y & Electric Light Apparatus. I tric Telegraph Co Smith Auto. Refriger Co. Ice Machines. Columbian Iron Works & Jr. Machines.	arkwoodN. C. Millstone CoSaw Mill.
Rockmart Whi ehead & Gore Saw Mill. Rome Etowah Furniture Mfg. Co Furniture Factory.		
Rome Egyp ian Marble Co Marble Quarrying. Rome Kome Brick Co Brick Works.	Baltimore Smith Auto. Refriger g Co. Ice Machines. Columbian Iron Works & J. New Machinery. Fallimore Cha. M. Stieff Piano Factory. B. Limore Boyden Power Brake Co Brakes. S.	owan County Ru sell Mine
		disbury
Dame M Dwincke Soan Factors	Baltimore Nat. E'ectri'l Appliance Co. Electrical Appliances. Saltimore Toland & Son New Saw Works. Saltimore Pails Cod Co (2012 Mining	
Roue Brick Yard.	Baltimore South Bulto Car Works Car Works.	belady W. F. Turner & Hoke Foundry & Machine Shop.
Rome Kome I and Co Purnace.	Baltimore U. S. Crude Petroleum Gas Gas.	outhern Pines. J. Eaglesfield
Rome Rome Furniture Co Formi ure Factory.	Baltimore Gunther & Fink	anly County
RomeCoosa Lumber CoSaw Mill.	Baltimore S. Balto. Brick & Tile Co Brick and Tile Works.	nion County Howie Gold Mine *Stamp Mill.
Rome Rome Cotton Factory Enlarged Cotton Mill.	Baltimore to-operative Shire Factory. Shire Factory.	ethania Julius Anderson
Rome	Baltimore Clinton Co-operative Mig. Manufacturing, &c.	hi tier Clarke Whittier Tubec o Factory
Salt SpringsMarsh & CoWood-working Factory.	Pauernachmidt & Marri.	illision Mayerick Mills Co New Cotton Mill Mach'ry
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Destruction Destruction of Class 1	ilmington Wilmington Gas Co Improving Works.
Savannah J. H. Ruwe	Baltimore Brashears Parlor & Sleeping Cars. ing Car Co Brass Works.	inston Electric Light Works, instonR. Stevens & Co Furniture Factory.
Smyrna	pattimore Frunty Mig. Co Brass works.	marve Diorena de Co Furmidite Pactory.
And the second s	N/A CD # + 40	

SOUTH CA	ROLINA.	LOCATION.	NAME.	BUSINESS.	LOCATION,	NAME.	BUSINESS.
LOCATION. NAME.	Business.	Nashville	National Mfg. Co Nashville Burial Case Co	Dye Works.	Clarksville	T. E. Hicks	Tobacco Factory.
AbbevilleR. C. Thompson Charleston A. S. Emerson	Shirt Factory	Nashville	Rangum Root Medicine (Co. Medicines, &c.	Clarksville	F. J. Lupfert F. J. Lupfert Harrisburg Handle Co	Corn Mill
Charleston Stoney Landing Co. Charleston Summerville Creosot Charleston Charleston Gin Cylii	g Wks. New Works.	Nashville	Pennock Battery Electrical Light Co	Electric Light Works.	Crockett	Nyte Speedwell Iron Lanning & Mfg. Co Ash Harman Mayor and City Council Morotock Coston Mill	Improved Furnace.
Charleston Charleston Gin Cylii Charleston Bulls Bay Oyster Co	der Co (Cotton Gins. Oy-ter Planting.	Nashville	South. Gaslight & Econ. (Tenn. Range & Mfg. Co.	Lumber Factory.	Culpeper	Ash Harman	Granite Quarrying.
Columbia H. O. Kinsler Columbia United Gas Imp. Co	Saw Mill. Improved Gas Works.	Nashville	Tenn. Range & Mfg. Co. . Nashville Iron Co	New Shop.	Danville	Morotock Cotton Mill Riverside Cotton Mills	Enlarged Mill.
Charleston Charleston Gin Cylin Charleston Bulls Bay Oyster Co Columbia H. O. Kinsler Columbia United Gas Imp. Co Columbia M. A. arkley & C Columbia J. E. Turner Eastover Stanly Mig. Co Edisto Island E. M. Wha'ey	Enlarge Hosiery Mill.	Na-hville	Timmons Mill Co.	Flour and Grist Mill. Co.s Charcoal Furnaces, &c.	Dublin	Dublin Roller Mill Co r. John J. Wolfe Farmville Water Co Jacob Bear	Flour Mill,
Eastover Stanly Mfg. Co Edisto Island E M. Whaley		West Nashvill	leOoltewah Lime Co	Horseshoe Factory.	Farmville	Farmville Water Co	Water Works.
Creenville A W Holliday	Cotton-seed Mill.	Philadelphia .	A. CookStewart & Alexander	Floor Mill.	Greenville	Best	Iron Ore Mining.
GreenvilleHugueno Mills GreenwoodJ. H. Oldham LexingtonD. Efird	+Ginnery.	Union City	Troutwine & Semones	Foundry.	Koiner's	Potts & Morris	Manganese Mining.
Marion County, las. McRaz & McKa	y Tobacco Factory.	Rogersville	. L. M. Walsh	Saw Mill.	Laird	Marks & Laird	Ore Mining.
Orangeburg P. F. Gramling Port Royal I. I. Cummings Port Royal Baldwin Fertilizer C	Saw & Planing&G ist Mill Planing Mill.	Savannah	Broyle & Bennett Sevierville Lumber Co	Steam Mill.	Lipscomb	. James K. Kerr	. Manganese Mining.
Port RoyalBaldwin Fertilizer C Rembert C. R. Kells Spartanburg D. C. C nverse and c	S.w Mill.	Sewanee	Denny & Maddox	Sandstore Quarry.	Lovely Mount	Central Mfg. & Imp. Co Central Mfg. & Imp. Co	Brick Works.
SumterSumter Cotto 1 Mills	t'ersSash & Door Factory. New Machinery.	Shelbyville	Victor Mills	Electric Light Works, Sash & Door Factory, Stave Factory & Saw Mill.	Lynchburg	Glamorgan Iron Works Lynchburg Co-operative Brush & Broom Factory, Va. Nail & Iron Works Co. New South Cigar Works	Reorganized.
TENNE	SSEE.	Sherwood	Hibbard & Morse	Stave Factory & Saw Mill.	Lynchburg	Brush & Broom Factory.	Broom Factory.
AlamoJ. F. Robertson and AthensL. B. Caldwell	thers. Flour Mill.	South Pittsb'h	h.R. A. Patton & Co g.Sequatchie Hoe & Tool Co Battle Creek Brick Co	Brick Vard			
Athens F. B. McElwee, Supt Athens Tenn. Min. Land & 1	Cotton Mill.	Sparts near	Bon Air Coal Co	reo Coke Ovens	Midvale	J. K. Kerr. T. J. Pall A. S. Armstong.	Manganese Mining.
Birchwood — Corner Bloomingdale J F. Howard BraytonCombs & Roberts	Mill.	Spring City Strawberry Pla	O. I. Lull	Knitting Factory.	New Orleans	.A. S. Armstong	. Moss Factory.
BraytonCombs & Roberts BristolT. F. Wood	Saw and Shingle Mill.	Stribling	La Grange Furnace Co Gillette & Straudley	Improving Furnace.	I NOPIOIK	. U. S. Navy Department	Dry Dock.
Bristol Doriot & Webb	Gas Works	Tennessee City	V	Planing Mill.	Ohenshain	Independent Auto, Porta- ble Gas Works	Handle & Spoke Fac. &c
District Tohn McCunwall	Original Washing	Trenton	Lookout Val. Iron & Coal C Caney Fork Iron & Coal C	Co. Mining and Manf.	Petersburg	Petersburg Crystal Ice Co. David Dunlop J. Hayes	.Ice Factory.
Bristol J. H. Buffum	Planing Mill.	Tullahoma	Caney Fork Iron & Coal C	Flour Mill.	Poages	J. Hayes	Tannery.
Bristol Holston Packing Co. Bristol Holston Packing Co. Bristol J. H. Buffum Bristol D. J. Elliott. Buzzard Roost. J. A. Walker Brownsville J. L. & D. N. Richard Brownsville Richard Mann	dson. Saw Mill.	Virtue White Pine	J. B. Boyd. T. W. Fain. Stamps-Star Marble Co	Marble Quarry.	Portsmouth	.L. K. Kyslop	.Electric Light Works. .Bottling Works.
Brownsville Richard Mann Brownsville F. P. & T. O. Bond	Grist and Saw Mill.	Whitesburg	Stamps-Star Marble Co Tenn. Coal, Iron & R. R. C	Marble Quarrying.			
Brownsville R. L. Hotchkiss	Grist Mill and Cotton Gin.	79	TEXAS.		Raphine	W. Seagle & Bro B. C. Rawlings and others. The Tredegar Co Progress Electric Light Co.	.Creamery. .Additional Machinery.
Chattanooga Mehan & Scott Chattanooga W. B. Seymour & Co Chattanooga South Tredegar Iron Chattanooga Chat. Split Wood, Pul	Foundry & Steam Forge.	Alvarado	.Jefferson Lumber Co	Coal Mining.	1 Kichmond	.r. v. Kandoidh and others	CHESS PROPERTY.
Chattanooga South Tredegar Iron Chattanooga Chat. Split Wood, Pui	Co † New Machinery.	Austin	Upshaw Lumber Co Lone Star Ice Works	Lumber Mills.	Richmond	.Sully Car Seaf Lock Co	.Increased Capital.
Chattanooga Chattanooga Gas Lig Chattanooga Loomis & Hart Mfg. Chattanooga Stivers, Woodburn &	t CoDouble Works, Co+Lumber Mill,	Bertram Brenham:	.C. Dorbran t	Rope Factory. New Soap Factory.	Richmond	.Co-Opera. Cloth, Mfg. Co Electric, Gas Lt. & Cons. Co. Richmond Paper Mfg. Co	.Clothing Factory. o.Gas Works, &c.
ChattanoogaStivers, Woodburn & Chattanooga. Southern Horse She	Co +New Planing Mill.	Boerne	Richard Crosker	Ice Factory.	Richmond	Richmond Paper Mfg. Co.	. Paper Mill.
Chattanooga Brush Electric Light Chattanooga Stivers, Woodburn &		Bowie	Heber Stone Co	Coal Mining.	Richmond	Old Dominion Electric La. & Power Co N. C. Coach Material Co	.Coach Material Works.
		Burnet	Texas Mining & Imp. Co.	Mining, &c. Ice Factory.	Richmond	Albemarie Paper Mig Co.	Paner Mill
Chattanooga Ruoh Cotton Mill Chattanooga Chatta. Car & Fdy. C Chattanooga Consolida'd Coal & In	†New Machinery.	Cleburne	A. R. Johnson and others. J. W. Day & Co Cleburne Gas Light Co S. G. Graham & Co W. C. Dibrell, Prest	lce Factory. : Gas Works.	Roanoke	Roanoke Creamery Co J. V. Simmons & Kersley Roanoke Mfg. Co Walter P. Huff & Co	.Ice Factory. .Flour Mill, &c.
ChattanoogaConsolida'd Coal & In	on Co. Mining.	Coleman	S G. Graham & Co W. C. Dibrell, Prest	Coal Mining. Coal Mining.	Salem	. PIOCEMAN & Duval	. Doubled Saw Mill.
Chattanooga . Farmers' Friend Fenc chine Co Chattanooga Montague & Co	Double Fire-Brick Works.	Colorado	Lone Star Salt Co	Enlarged Works.	Salem	. Preston, Evans & Co Camden Iron Works	Enlarged Iron Works.
ChattanoogaW. H. Adams	*Additional Machinery	Corsicana	.Winship Mfg. Co .F. W. Caruth	Sash and Door Factory.	Sheppard's	Bercha Zinc Co	. New Furnaces. .Gold Mining.
Chattanooga Chattanooga Gas Lig Chattanooga Tenn. & Ala. Oil & G Chattanooga The Standard Gas Mc	s Co. Natural Gas.	Dallas	F. W. Caruth	Electric Light Works.	Sherando, near.	W. E. Gilliam	. Manganese Mining. . Manganese Mining.
Chattanooga The Standard Gas Mc Choptack J. H. Price Co	ne. Co.Gas Economizers. Marble Qu rry.	Dallas	. East Dalias Water Wks. Ci	o. Increased Capital.	Snowville	J. M. Taylor	. Flour Mill.
Chottack. J. H. Price Co. Clarksville W. A. Settle. Cleveland S. W. Marshall & Co. Cleveland A. J. Berryhill.	Planing Mill Sash and Door Factory.	El Paso	. Denison Crystal Ice Co El Paso Ice & Refrig. Co	Ice Factory, &c.	Speedwell	James M. Carrington Wythe Speedwell Iron Mining & Mfg. Co	Improved Furnace.
Columbia Columb a Lumber Co.	tLumber Mill.	Fort Worth	Dahlman Refrigerator Co Texas Telephone, Light &	Manufacturing.	Speedwell	Wythe Speedwell Iron Mining & Mfg. Co	Flour Mill.
Columbia John Ashton Columbia Daniel Rudy and othe Crockett's Mill. J. F. Robertson and o	rs Pork-Packing House	Fort Worth	Texas Telephone, Light & Power Co	Horse-collar Factory.	Spring Grove	. Johnson & Rittenhouse	.Sorghum Factory.
Daisy Daisy Coal Co Dayton, Nelson, Buchanan & Dayton Snow Bros & Harding	†Coke Ovens.	Gainesville	John Keefner. Gainesville Compress & Forwarding Co	Cotton Compress,	Staunton	John P. Schlocker	Paving Materials.
DaytonSnow Bros. & Harding DaytonAllen & Kirth	†Flour Mill.	Gainesville	J. B. Wells and others Lone Star Cracker Co	. Grain Elevator.	Stonewall	R. B. Burton	Creamery,
Dayton	Shingle Mill.		Fact & West Towns Lum-	1 -	Vinton Waverly Stat'n	Nansemond Shingle Co Mason & Cook Beck & Shaeffer	Cooper Shop. Brick Yard & Grist Mill.
Dresden R. N. Irvine	Tobacco Factory.	Georgetown	ber Co	Cotton Mill.	Wytheville	.S. Walton & Co	Plaster Works,
Erin. McGregor, Hege & Co Fayetteville Elk River Wool. & F ing Mill & Mfg. Co. Fayetteville R. L. Bright	Saw Mill& Stave Factory.	Gordon	Gordon Coal Min. & Oil Co	Coal Mining	Beechwood	WEST VIRGIN	100 Coke Ovens.
Fayetteville ? ing Mill & Mfg. Co.	Marble Quarrying,	Greenville	M. P. Kelly & Co	Water Works,	Blue Stone Sec.	Riverside Iron Works Goodwill, Marshall & Co	.Coal Mining.
Goodlettsville Reily Bros	Marble Unarry	Houston	Central Ice Mfg. Co Noble Nut, Lock & Washer Co	. Flour Mill. . Ice Factory.	Bramwell Buckhannon	Morrison & Co	. Tannery. . Stave Mill.
Jackson Safety Car Coupler As Jackson S. R. Conger	so'nCar Couplers. Saw and Corn Mill.	Houston	Noble Nut, Lock & Wash- er Co	Nuts, &c.	Caperton	Hart & Giffen Sewell Mining Co Big Sandy Iron & Coal Co	so Coke Ovens.
Jackson S. R. Conger. Jackson H. L. White Jasper Pine Mountain Coal, Jasper Land, R. R. & Mfg.	Planing Mill.	Houston	Southern Cotton Oil Co	. Cotton seed Oil Mill.	Charleston	Big Sandy Iron & Coal Co Cheat Valley Boom & Lum.	Iron and Coal,
Jellico Land, R. R. & Mig.	Tannery.	Iefferson	Bridgeport Brewing Co Jefferson Ice Co	. Ice Factory.	Charleston	Cheat Valley Boom & Lum. ber Co	Mining, &c.
Jellico Johnson City A. J. King and others. Johnson City Johnson City Furnitur Kelso Bryson, Francis & Co.	Co. Enlarge Factory.	Kaufman	Freeman & Peede	. Flour Mill.	Charleston	A ICKELS ALVEDIN ALDERS CO.	Wagon Pactory,
Kelso Bryson, Francis & Co. Key O. I. Luce Knoxville S. T. Post & Son	Saw Mill.	Kildare	J. H. Friedly Dunn & Wurtsbaugh	. 1Saw Mill.	Clarksburg	Kanawha Railway Co J. F. Osborne's Sons	Foundry.
Knoxville D. M. Rose & Co	Enlarged Saw Mill.	Marshall	A. A. Killingsworth M. McPhail	. Water Works.	Coal Vailey	J. F. Osborne's Sons S. M. Buck. Carver Coal Co Elm Grove Oil & Gas Co	Coal Min., Coke Mfg., &c.
Knoxville Unaka Timber Co Knoxville Smith, Ramsey & Co Knoxville Brookside Cutton Mill	Harness & Shoe Factory.	Marshall, near	. M. H. Carter	Saw Mill.	Hampton, near.	J. M. Buck Hunting, Water Wks. Co	Coke Ovens,
Knoxville,Brookside Cotton Mill Knoxville,Frank Hughes KnoxvillePowell Land & Kaolin	Sash & Door Factory.	Medina County	Geo, H. Kalteyer	Coal Mining.	Parkersburg	Parksbg. Ven. & Panel Co. Parkersburg Electric Lt. Co.	Veneering Works
Knorville Wm Craig	Shoe Factory	Navasota	. J. Brooks	.Sash & Door Factory.	Plymouth	Carver Coal Co Mt. Carbon Coal Co	Coal Mining.
Knoxville Crystal Ice Co Knoxville R. Z. Roberts, Prest. Knoxville Knoxville Flouring Mi	Natural Gas.	Paris	Farmers' Alliance	Furniture Factory.	St. George	Titus & Clowge	Saw and Grist Mill.
Knoxville East Tenn. Consolida Timber & Boom Co	tion Timber, &c.	Pearsall	Pearsall Mill Co	.:Flour Mill.	St. George	ber Co	Lumber Booms, &c.
Leadurale Pertha Zine Co		Pecos City	— Murphy	Flour Mill.	Wheeling	McGraw's Run Oil & Gas Co.	Oil and Gas.
LoudonJ. F. Bell	Machine Shop.	Plank	Middlebrook Bros John T. Frederick & others	Saw and Planing Mill.	Wheeling	Wheeling Min. & Mfg. Co Fulton Paper Mill Co Wheeling Electrical Co	Enlarged Diana
Maryville Boyd & Huffstetter	Sash & Door Factory.	San Antonio	San Antonio Brewing Co	. Improved Brewery	Wheeling	W. Va. Pur. Agency & Mfg. Drug Co	Oil and Gas.
Maryville Wm. Colbert McMinnville Falcon Mill Co	Gold Mining.	San Antonio	Hammond-Sutton Electric Light & Power Co Alamo Cement Co	Electric Light Works,	Wheeling	Mfg. Drug Co	Drugs. Soap Factory.
McMinnville Annis Cotton Mills	Refitted Cotton Mill.	San Antonio	San Antonio Oil Works Southern Mfg. Go	Enlarged Mill.	Wheeling	Norway Tack Co	China Ware, &c.
Memphis Eureka Mfg. Co Memphis Mem. Cider & Vinegar Memphis H. Wetter Mfg. Co	CotVinegar Works.	San Antonio	Adams Mill Co Frank Gueydan	***********************	Wheeling	Belmont Iron Co	Enlarged Furnace.
MemphisH, Wetter Mfg. Co MemphisConsolida'd Min. & Mi MemphisMem. Comp. & Storage	co. Two Cotton Compresses.	Santa Anna	Harrison Coal Prospect Co.	Cool Mining	Winfield	L. J. Ashworth	Broom Factory.
Memphis Peters & Co	Candy Factory.	Taylor	J. R. McCormick J. R. McCormick	Ice Factory. Foundry.	New Iersev	NEW JERSEY Southern Cotton Oil Co	To build Corton-seed Oil
Memphis. Brownsport & Cedar Ci Iron Mfg. Co	ron, Coal Mining, &c.	Temple Texarkana	Mayor and City Council J. R. McCormick J. R. McCormick Farmers' Allian e Texarkana Machinery Co.	Cotton Mill. Machine Works.	1Rebuilt or be	ing rebuilt after being burned.	
Memphis Bohlen-Huse Mch. & L	New Ice Factory,	Tyler	Yoakum & Williams and others	Flour Mill, Canning Factors		r firms in existence prior to Ja red their works or built new wo es given in this list, reference is	n. 1, 1887, but since that time rks, or increased capital. In
Memphis Memphis Lumber & Mi		Tyler	Tyler Lumber Co	Planing Mill.	many of these cas built by old firms	es given in this list, reference is	made to entirely new works
Milan W. G. Harrison Morristown C. R. Johnson Morristown A H. Gregg	Stove Foundry.	Waco	Texas Guano Co	Hubs, &c.		eady large mass of infor	_
Mossy Creek W S Sizer & Co	Wire Fence Factory	Waco Wichita Falls	Waco Cotton Mills	Coal Mining.		tion and prospects of "	
Nashville Nashville Steel, Iron	A WO & this interest, the co	Wills Point	Will's Point Canning Co VIRGINIA.	Canning Factory.	M. B. Hillyar	d has contributed a val-	uable addition in the
Dahin Jones Creamers	B-1		Arrow Steamship Co		shape of a lan	ge octavo volume bearing Manufacturers' Recor	ng that title and pub-
V (Laurel Hill Mfg & Nat	Mining, &c.	Amsterdam Botetourt Co	C. M. Nalls	Canning Factory. Saw & Bark Mill.	That periodic	al is a well-known auti	hority on the subject;
Nashville Iron & Railway Co.		Rotetourt Co	Geo. T. Sifford	Lime Works	and Mr. Hilly	ard has in this book g	rouncd the distinctive
Nashville. Dairy Co. Nashville. Laurel Hill Mfg & Naj Iron & Railway Co. Nashville. Amer. Pneu. Railway C Nashville Webb Mfg. Co.	Mustards, &c.	Bufordville	Mrs. Jane Hall	Flour Mill.			
Mashville Amer. Pheu. Rahway	Mustards, &c.	Bufordville Chase City Christiansburg	Mrs. Jane Hall	Flour Mill. Tobacco Factory. Tobacco Factory.	features and c	baracteristics of each So or consideration in a suc mirable manner.—N. Y.	outhern State, and pre-

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**CONSTRUCTION DEPARTMENT.

E PUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

ALABAMA.

Alexander City.—A. B. Lovejoy will build a \$10,000 hotel.

Andalusia.—The Andalusia & Chaffin Pole Road Co, will shortly be organized.

Anniston.—Pinder & Co. will build works to manufacture steam engines extensively.

Anniston.—C. M. Barnell, of Atlanta, Ga., contemplates erecting a saw mill, with a daily capacity of 40,000 feet, along the Georgia Pacific Railroad, between Anniston and Birmingham.

Anniston.—W. A. Hudson contemplates erecting works at some point in the South to manufacture car couplers, and is now investigating the advantages of Anniston.

Anniston.—The Young Men's Christian Association will erect a building. The cost will not be less than \$10,000.

Ashville.—The Riverside Land & Lumber Co. has been chartered by J. M. Smith, of Talladega, and D. W. McBrier and J. N. Crowder, of Riverside.

Athens.—The Brush Electric Light & Power Co. are negotiating for the erection of the electric light plant previously reported.

Birmingham.—The Caldwell Printing Works, reported last week as putting in stereotyping machinery, will shortly put in an incandescent electric light plant of 75 lights capacity.

Birmingham.—The Birmingham Street Car Factory Co., capital stock \$100,000, has been organized to manufacture street cars. Will soon begin building works.

Birmingham.—It is rumored that new gas works will be built.

Birmingham.—The Rushton Land Co., capital stock \$200,000, has been organized, with W. J. Rushton as president, and E. T. Enslen, treasurer.

Birmingham.—G. Heunck, of Cincinnati, O., will build a theatre.

Birmingham.—Charles Lougue, of New Orleans, La., is in Birmingham with a view to organizing a stock company to manufacture engines.

Birmingham.—James C. Long will receive bids until April 5 for macadamizing about 4 miles of road.

Birmingham.—The Lake Side Land Co., capital stock \$200,000, has been incorporated with F. W. Miller as president and F. B. Clements, secretary.

Birmingham.—The Clifton-Birmingham Brick Co. has been incorporated by M. T. Summer and others. The company will build works to manufacture 100,000 bricks daily.

Birmingham.—Leigh Carroll is putting some new machinery in his brick works.

Birmingham.—P. Schillinger has purchased a 25-ton ice machine for his brewery at a cost of \$13,000.

Brewton.—Smith, Poley & Co. are improving their mill and are adding some new machinery. Decatur.—Charles F. Barrow and J. D. Jervis, of Ironton, O., will erect a wheel-barrow and wood-working factory.

Florence.—A \$400,000 stock company will be organized to erect a charcoal furnace and chemical plant with W. B. Wood as president; M. A. Spurr, Nashville, Tenn., treasurer, and H. M. Pierce, Nashville, general manager. A site has been secured.

Florence.—Brick works have been started by Leftwich & Sample.

Florence.—The W. B. Wood Furnace Co. has been chartered by W. B. Wood, W. C. Sherrod, W. P. Campbell, J. B. White, W. E. Blair and Jonathan Morris.

Florence.—The Florence Land, Mining & Manufacturing Co. have purchased brick machinery.

Florence.—The Florence Compress, Packet & Ferry Co., capital stock \$50,000 has been organized with W. P. Campbell as president; John H. Young, vice-president, and James B. White, secretary and treasurer. They have contracted with the Curry Compress Co., of Huntsville, for a compress.

Gadsden.—The Gadsden Electric Light Co., previously reported, have organized with A. Herzberg as president; W. B. Myers, secretary, and W. P. Lay, tressurer. The company have purchased machinery.

Huntsville,-Robert E. Coxe has asked for permit to erect an electric light plant.

Huntsville,—The Consolidated Coal & Iron Co., of Chattanooga, Tenn., have made a proposition to build the Cincinnati, Huntsville & Birmingham Railroad from Huntsville to the Tennessee river.

Montgomery.—Davis Brothers have purchased machinery and will erect large brick

Oxanna.—C. C. Huckabee, owning a cotton-seed oil mill in Southern Alabama, has formed a \$30,000 stock company to move it to Oxanna and enlarge it.

Roanoke.—John A. A. West, general manager of the Griffin, Lagrange & Western Railroad Co., will receive bids until May 15 for constructing, grading and furnishing cross-ties for 110 miles of railroad. Douglas Green, of New York, has been elected president of the above company and E. H. Searcy, vice-president.

Selma.—The Selma Land Co. will build a large packing-house and refrigerator for Armour & Co., of Chicago, Ill.

Selma.—A \$20,000 stock company has been organized to erect a rolling mill.

Selma.—A company has been organized to manufacture stoves. Its capital stock is \$25,000.

Selma.—A company has been formed to establish chain works. The capital stock of \$25,000 has been subscribed. E. R. Kinsey can give information.

Selma.—It is stated that a Pittsburgh capitalist will build a rolling mill. E. G. Gregory can give information.

Tuscaloosa.—The Friedman Furnace Co., recently reported as incorporated to build a 100-ton furnace, will commence work at once.

Tuscaloosa.—The Tuscaloosa Northern Railway Co., previously reported, has been organized with H. H. Peck as president; W. C. Jemison, vice-president; S. A. Wood, secretary, and George A. Searcy, treasurer.

Wheeling.—The Woodward Iron Co., lately reported as repairing their No. 1 furnace, are opening a new mine, and will build some new coke ovens.

ARKANSAS.

Antimony City.—A smelter is being erected by Philadelphia parties. Arkansas.—The Memphis, Arkansas & Texas Railroad Co., capital stock \$2,500,000, has been chartered to build a railroad from Memphis, Tenn., to Pine Bluff, via Marianna and Clarendon. The directors are George Arnold, T. F. Duffin, Napoleon Hill and H. S. Brooks, of Memphis, and L. Lesse, J. M. Hewitt and others.

Fort Smith.—The Fort Smith & Van Buren Street Railway Co., capital stock \$50,000, has been chartered to build a street railroad to Van Buren. Thomas Marcum is president: R. E. Doyle, vice-president, and M. S. Blakemore, treasurer.

Fort Smith.—The Fort Smith Belt Railroad Co., capital stock \$100,000, has been incorporated to build a street railroad about 8 miles long. The directors are H. E. Kelly, J. F. Read, William M. Cravins and J. F. Eberle, of Fort Smith, and L. R. Pratt, of Kansas City, Mo.

Fort Smith.—The Fort Smith Canning Co., capital stock \$100,000, has been chartered with R. E. Doyle as president.

Franklin.—J. R. Patterson & Co. will rebuild their distillery lately burned. Their loss was \$3,000.

Golden City.—The Sylph Mining Co., previously reported as incorporated, will commence mining shortly.

Heber.—M. M. Hazle, Cedar Rapids, Nebraska, will develop a coal mine near Heber.

Pine Bluff.—There is talk of an \$80,000 stock company being formed to erect a cotton compress.

Hot Springs.—The Hot Springs Refrigerating Co., capital stock \$60,000, has been incorporated by J. D. Kimball, G. Leisig, Frank E. Rickey, William J. Woolsey and F. F. Kimball.

Hot Springs.—The Crescent Mining & Smelting Co. has been incorporated to do a general mining, smelting and mercantile business, with G. P. Kenna, G. P. Watson, William J. Little, S. P. Collings, W. H. C. Broaddus, F. O. Nickerson and A. Shippy. The authorized capital stock is \$5,000,000.

Hot Springs.—S. W. Fowler is purchasing machinery for a saw mill.

Little Rock.—H. A. Bowman is erecting a large saw and planing mill.

Newport.—The Newport Tanning Co. has been chartered by Messrs. Watson, Williams, Wortenson, Bailey, Heard, Davis and Tucker. Will build works shortly.

Newport.—E. L. Watson, B. C. Morrison, G. W. Decker, G. W. Hurley. J. P. Morrison, F. J. Watson and others, have incorporated the Newport, Jonesboro & St. Louis Railway Co., to build a 40-mile railroad to Jonesboro. The capital stock is \$300,000.

Van Buren.—A company has been formed to erect an ice factory, and will purchase machinery at once. The capital stock is \$30,000.

Yellville.—The Stecker City Mining Co. has been organized with Rudolph Stecker as president; Emil Holden, vice-president; N. W. Dorsey, secretary, and F. S. Baker, treasurer.

FLORIDA.

Bartow.—Thompson & Co. have received the contract to erect a school building at \$17,277.

Blackwater.—\$15,000 have been raised for building a glass factory. A site has been secured. Troman Davidson can probably give particulars.

Branford.—New machinery is being added to the works of the Branford Lumber Co. George E. Drew is president.

Brooksville.—R. M. Wallis, of Mill Village, Pa., contemplates erecting a planing mill. Ellzey.—G. H. Sullivan will at once rebuild his saw mill reported in this issue as burned; loss, \$3,000.

Fernandina.—The city council will advertise for bids for building water works.

Fort Meade.—An effort is being made to organize a company to build a shingle mill and orange box factory.

Norwalk.—Surveys are being made for the proposed St. Johns River, Lake Weir & Gulf Railroad, to run from Norwalk to Anclote, 120 miles.

Pierson.—W. Grayson Mann, M. M. Mann and Nils L. Pierson have formed the Pierson, Kenwood & Palmetto Railroad Co., to build a narrow gauge railroad. Work is progressing.

Palatka.—It is reported that D. F. Larkin, of Watch Hill, R. I., will build a hotel.

GEORGIA

Athens.—A company has been organized to erect a large sash, door and blind factory and have purchased a site. The paid-in capital stock is \$15,000. Work will soon be commenced.

Athens.—It is reported a hotel will be built to cost about \$100,000.

Atlanta.—It is stated that the Southern Cotton Oil Co., Henry C. Butcher, Philadelphia, president, have decided to locate one of their cotton seed oil mills

Augusta.—T. M. Coskery has decided to build his new hotel, previously reported, at once.

Augusta.—Northern and Western parties have purchased a large tract of land near Augusta, and will probably build a hotel and a dummy railroad from the hotel to Augusta. F. T. Lockhart can give information

Dalton.—It is reported that G. W. Owens is organizing a company to develop a marble quarry.

Dalton.—Colonel Houston is corresponding with Northern parties in regard to the building of a charcoal furnace at his iron

Douglasville.—The name of the company previously reported as organized to erect a canning factory, is the Douglasville Canning & Preserving Co. The capital stock is \$25,000.

Dubois.—The saw mill of Samuel Carnes, reported in this issue as burned, will be rebuilt. The loss is \$8,000.

Forsyth.—Bennett Bros. will erect a planing mill at once.

Graysville.—The Graysville Mining & Manufacturing Co., capital stock \$250,000, have organized with A. Steiner as president, and F. A. Vaughan, of Dadeville, Ala., secretary and treasurer. The company have bought the entire property of the Catoosa Mining & Manufacturing Co., and will, it is said, build new lime kilns and a woolen mill.

Juno.—Charles J. Harben has purchased machinery for a saw mill.

Macon.—Campbell, VanSycle & Co. and others have organized the Macon Agricultural Works. Will build works immediately to manufacture agricultural implements.

Macon,—Will decide by vote April 23 whether or not to build a \$20,000 market house. H. A. Blue will give particulars.

Marietta.—Bids for erecting a bridge 108 feet long will be received until April 23 by H. M. Hammett.

Milledgeville.—The brick works of Foster & McMillanfare being enlarged.

Milledgeville.-The Milledgeville Cotton Compress Co., previously reported, want the price of a complete compress with a daily capacity of 500 bales. Address Foster & McMillan.

-A brick yard will probably Montezuma be started at Montezuma

Oostanaula.-L. D. Armstrong will probably rebuild his ginnery, reported last week as burned.

Rockmart.-Ellis Whitehead has enlarged his flour mill.

Rome.-The Forestville & Printup City Street Railroad Co., capital stock \$25,000, has been formed to build a dummy street railroad. J. A. Stansbury is reported to be interested.

Rome.-The Rome Land, Iron & Improvement Co., previously reported, want bids for building a charcoal furnace at once. Correspondence with contractors is desired.

Rome.-The Rome Foundry & Machine Works, previously reported as to build new works, have decided to locate them in West Rome. They will begin work at once.

Rome.-F. Pence proposes to organize a \$5,000 chair factory, \$5,000 trunk factory and \$5,000 broom factory, and, in connection with J. W. Rounsaville, a \$25,000 woodenware factory.

Savannah .- J. H. Estell, chairman county commissioners, invites plans and estimates for a jail to cost \$50,000; also a jail to cost \$100,000. They will be received until July 5.

Thomaston,-McGrary & Matthews, S. G. Smith and others have organized a stock company to build a cotton compress. Will begin work at once.

Thomaston.-Herring, Moyer & Co. have started a coffin and furniture factory.

West Point,-Lanier Bros. contemplate erecting an ice factory of 10 tons capacity.

West Point.-The contract to build the West Point College has been received by Floyd & Stephens, of Opelika, Ala.

West Point.-The cotton mills of the West Point Manufacturing Co., reported in this issue as burned, will be rebuilt at once. The loss is reported to be \$250,000.

KENTUCKY.

Ashland .- P. H. Sudith has received the contract to erect a public building to cost \$8,713.50.

Ashland .- Louis E. Granger, Henry Kelden and Henry McTighe have incorporated the Great Western Marble Co., to quarry and manufacture marble and granite in Utah. The same parties have incorporated the Rising Star Marble Co., to quarry and manufacture marble in Colorado. The authorized capital stock of each company is \$1,000,000.

Frankfort,-The Mason, Gooch & Hoge Co. has been chartered to build railroads, bridges, turnpikes, water works, &c. Their capital stock is \$500,000.

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Frankfort.-The St. Helen's Land, Coal & Iron Co., capital stock \$1,000,000, has been incorporated to develop 12,000 acres of coal and timber lands in Lee county.

Louisville.-Robinson Bros. & Co. have commenced work on a large building to cost about \$45,000.

Louisville.-George Stoops will erect a five-story brick building, 50x110 feet.

Louisville. - The Louisville-Kentucky Woolen Mills Co. will build a brick factory, two stories, 65x75 feet. It will cost \$7,500.

Louisville.-The Church of the Advent will erect a new edifice to cost about \$20,-000. It will be of brick, 60x104 feet. Plans have been prepared by Frederick C. Withers.

Louisville.-C. S. Murgell has prepared plans for a \$12,000 building to be built on Highland avenue by the Highland Presbyterian Church.

Louisville.-Dennis Long will erect a large building to cost \$100,000. He has purchased a site 56x105 feet.

Louisville.—It is reported that the Queen's | building their creamery. Its capacity will Life Insurance Co. will erect a \$250,000 building.

Maysville.-A canning factory is projected by Mr. Wesley, of Lexington, and others.

Nicholasville.-A company is being or ganized to build a hotel. J. S. Bronaugh is interested.

Portland,-Mr. Cook has purchased 13 acres of land and will start large brick

Somerset.-A. Potts, of Danville, is organizing a stock company to build a roller flour mill.

LOUISIANA.

Bayou Sara.-J. Freyhan & Co. can give information in regard to the company reported last week as being organized to erect cotton compress

Cypremort.-M. P. Scully will build a fiveroller sugar mill. The Whitney Iron Works Co., New Orleans, have received the contract for the machinery.

Jeanerette.-The name of the company previously reported as being organized to build a railroad to Abbeville, about 30 miles, is the Jeanerette, Abbeville & Western Railroad Co. F. M. Welch has been elected president; N. M. Cade, vice-president; G. Sitges, secretary, and S. R. Gray, treasurer. The road is to be built soon

Mansfield .- A company has been organized to build a cotton-seed oil mill and ice factory. Reported that machinery will be pur-W. T. Pegues is chased immediately. interested.

New Orleans .- The Gerards' Rectilinear Propellor & Rotary Engine Co. has been incorporated to manufacture engines, &c., with Charles E. Black, Edward W. Huntington, Augustus Reichard, Albirn K. Miller, Jules C. Denis and others as directors. The capital stock authorized is \$1,000,000.

Shreveport,-A meeting has lately been held for the purpose of organizing a stock company to build a cotton factory to cost from \$300,000 to \$400,000. Henry Florsheimer is interested.

Tallulah .- The contract to build the jail, previously reported, has been let to Hannon & Voss, at \$20,955.

MARYLAND.

Adamstown.-A creamery is being erected by Henry E. Smith, John O. Padgett and Thomas Hayden.

Baltimore.-The Maryland Construction & Land Improvement Co., capital stock \$100,000, has been incorporated by John King, Carson Schumacher, Christopher Shaw, Charles N. Magne, W. C. Boswell and George B. Morton.

Baltimore .-- A four-story building will be erected at the corner of Front and Baltimore streets by William Suess.

Baltimore.-The Standard Mutual Land & Mining Co. has been incorporated by John M. Jones, William S. Morrow, John Goodwin, William H. Wilson and James P. Shannon. The authorized capital stock

Baltimore.—The report of large steel works being built near the city is confirmed. J. Wesley Guest, of Baltimore, and others have purchased 1,200 acres of land, and will erect works to make steel rails, build steel ships, etc. Several million dollars will be in-

Baltimore. -Estate of W. E. Hooper will rect a 225 horse-power boiler and engine on Wolf street; G. H. Hutton & Co., Harford avenue and Point lane, a 12 horse-power boiler and engine, and O. Hammond, Jr., 122 N. Paca street, two 80 horse-power boilers.

Castleton,-A canning factory is being erected by James T. Knight,

Chesapeake City.-It is stated that a canning factory is to be built.

Feagaville,-S. F. Hargett, D. M. Culler C. E. Feaga and H. J. Beard have formed the Red Spring Creamery Co. and are now be 12,000 pounds of milk daily.

Frederick,-A \$5,000 stock company has been organized to manufacture stockings by David Lowenstein, George H. Zimmerman, Thomas H. Haller, M. E. Getzendanner and John Baumgardner, Mr. Lowenstein is president.

Hagerstown.-The Danzer Lumber Co. has been organized to manufacture building materials, office furniture, &c., with G. L. Brewer as president; George D. Keller, treasurer, and William C. Danzer, manager. The company will enlarge and occupy the Danzer factory on Baltimore street.

Gamber.-Lewis Shipley will enlarge his canning factory and add new machinery.

Georgetown, D. C .- The Mount Vernon Bridge Co., of Mount Vernon, O., have received the contract to build the aqueduct bridge across the Potomac river, previously reported. It will cost \$80,905, and is to be pleted within 7 months. The length will be 1,313 feet.

Washington, D. C .- The contract to erect a school building has been awarded to Holliday & Wilson, at \$22,176.

MISSISSIPPI.

Columbus,-S. Rosenbaum & Co. and others will build a furniture factory.

Corinth.-B. F. Avery, of Meridian, has purchased the cotton factory building and will, it is said, put in machinery for manufacturing furniture.

Corinth .- I. D. Draughan and others are working up a stock company to build a cotton compress.

Jackson.—The Jackson Land & Improveent Co., capital stock \$35,000, has been incorporated by J. B. Harris, W. W. Stone. William Short and others. They will probably build a street railroad or secure the building of one.

Natchez.-The name of the company reported last week as being formed to build a otel to cost about \$75,000, is the Natchez Hotel Co.

Natchez.-The contract to build the water works, previously reported, has been let to S. R. Bullock & Co., of New York. Work will be commenced shortly.

Slate Springs.-There is talk of a cotton factory being erected.

Vicksburg.-Eugene Martin, Thomas M. Smedes, Alfred B. Pittman and others have incorporated the Warren County Manufacturing Co., capital stock \$100,000, to manufacture all kinds of goods from cotton, and oil from cotton seed.

NORTH CAROLINA.

Asheville.-C. G. West & Co. have made arrangements to start a wood-working factory.

Forest City.-A plumbago mine, 4 miles from Forest City, is being developed by D. E. Stearns.

Goldsboro.-A stock company has been formed to start a furniture factory.

Greensboro,-Greensboro has decided by a popular vote to issue \$100,000 of bonds for public improvements.

Mooresville.-Efforts are being make to organize a company to build a large cotton factory.

Raleigh.—The Commissioner of Immigration writes us that W. G. Slate, of Slate, Pa., will start a fruit canning factory in North Carolina.

Raleigh.-It is reported that an earthenware factory will be started at or near Raleigh by W. Hughes and H. Stimetez.

Raleigh.-Arrangements are being a for the erection of a canning factory

Salisbury.-Robertson & Miller will rebuild their tobacco factory reported in this issue as burned; loss \$17,000.

Swift Island,-Elias Hurley has established a shuttle-block factory.

Troutmans.-Shiplett & Kiser will relove their barrel and stave factory from Thomasville to Troutmans.

Wadesboro.-It is rumored that a silk factory will be built. I. T. Patrick, Raleigh, may give information.

Wadeville.-A shuttle-block factory has been established by Thomas Wade.

Wake Forest .- The contract to build the laboratory for Wake Forest College, previously reported, has been let to Ellington, Royster & Co., of Raleigh. It will cost \$13,000.

Winston.—A company will, it is stated, be organized soon to erect the electric light plant previously reported.

Winston.-Arrangements are being made for establishing a fruit canning factory.

SOUTH CAROLINA.

Aiken.-A. J. Twiggs, of Augusta, Ga., has leased land and water power and will build a wood pulp mill.

Charleston.-The Charleston & Savannah Railroad Co. (office, Charleston) are building a branch railroad from Ravenel Station to Young's Island, 51/2 miles.

Charleston .- A. S. Emerson is erecting a corrugated iron building for his steam laundry.

Greenville.-The Huguenot Mills will build an addition to their cotton mill, 40x40 feet, and put in 64 looms instead of 10 as reported last week. They will also put in sprinkling machinery.

Pacolet.-The Pacolet Manufacturing Co. have commenced work on a large addition to their cotton mill.

Pickens,-Boggs & Phillips have overhauled and improved their saw mill.

Walhall.-The Columbia & Greenville Railroad Co. (office, Columbia, S. C.) will at once extend the Blue Ridge Railroad to Walhalla.

TENNESSEE. Benton,-A company has been formed to build a hotel, 50x100 feet.

Chattanooga .- It is rumored that the La Crosse Cracker Co., La Crosse, Wis., will probably build a factory.

Chattanooga.-W. M. Nixon and others have leased and will develop the Half-Moon Island ore mines near Chattanooga.

Chattanooga. - John A. Hart, W. G. McAdoo, M. L. Chapman and others will organize a company with a capital stock of \$250,000, to secure manufactories for Chattanooga and aid in their establishment.

Chattanooga.-The East Mission Ridge Railroad Co. has been chartered.

Chattanooga.-The Chattanooga Land, Coal, Iron & Railway Co., capital stock \$12,000,000, has been organized with I. W. Adams as president, T. G. Montague, vicepresident, and H. Clay Evans, secretary and treasurer. The company owns over 21,500 acres of land, which they will develop. They contemplate building two blast furnaces 21/2 miles from Chattanooga and 500 coke ovens on Walden's Ridge, two or more bridges across the Tennessee river, a belt railroad, a railroad to Signal Point, gas and water works, &c. The company will extend aid to manufactories, &c.

Chattanooga.-M. B. Parkham has put steam power in his mattress factory.

Chattanooga.-It is rumored that George M. Thompson, of Ripley, Ohio, will probably build a saw mill,

Chattanooga.-The Standard Gas Machine Co., capital stock \$100,000, has been organized with John C. Anderson as president; F. S. Hyde, vice-president; Frank Hoyt, secretary, and P. A. Bacon, treasurer.

Chattanooga.-The Soddy Coal Co. have sold out their property to E. Zimmerman, Henry Stix, M. Krohn, A. & L. Seasongood and others of Cincinnati, O., who will organize a new company, with a capital stock of \$600,000, to develop the property. The new company will build additional coke ovens,

Columbia,-Craig & Williams have built an addition to their machine shops, 30x60 feet.

Covington.-Randall Bros., of Benton Harbor, Mich., have lately built a lumber mill and box factory, and now have them in operation.

Dayton .- R. C. Barbero, of Vincennes, Ind., will erect a planing mill and sash factory at Dayton and a planning mill near Dayton.

Dayton.-Gilbreath & Burchard are building an addition to their broom factory.

Dayton.-The Dayton Oil & Gas Co., capital stock \$100,000, has been organized with J. H. Ferguson as president; M. A. Farrell, vice-president; T. T. McWhirter, secretary and treasurer, and S. A. Gettys, superintendent. The company are leasing lands and will shortly begin developing them.

Franklin.-Greene Williams has the contract to build a \$10,000 church.

Jellico.-The Proctor Coal Co., of Louisville, Ky., will build a railroad 31/2 miles long.

Knoxville.-James H. Bean, of Knoxville, and others, lately reported as purchasing 2,067 acres of land 12 miles from Athens, have formed a \$100,000 company to start a new town, develop marble quarries, establish manufactories, &c. A railroad will be built to the quarries.

Knoxville.-The Elmwood Street Railroad Co. has been incorporated.

Knoxville.-E. J. Hoyle, Fritz Staub and others contemplate organizing a company to build a hotel to cost from \$250,000 to \$400,000.

Knoxville .-- George R. Scates will form a company to develop gold and silver mines in Blount county.

Knoxville.-A company has been organized to start a steam cracker factory, with C. Cone as president; M. L. Ross, vice-president, and I. M. Gaut, secretary and treasurer. The capital stock will be about \$20,000.

Linden.-Robert Houssels has sold mineral lands to Memphis parties, who will develop them and build a furnace on the Tennessee river.

Mempnis .- The Memphis Cotton Mills wil increase their capital stock.

Morristown.-There are prospects of a large hotel being erected.

Morristown.-It is stated a company is being formed to start a furniture factory.

Morristown.-A company is being organ ized to build a sash, blind and door factory.

Morristown.-The name of the company reported last week as organized to start a stove foundry is the Morrison Stove Works. R. L. Gant is president; W. T. Rippetoe, vice-president; George S. Crouch, treasurer, and C. R. Johnson, Girard, O., secretary and general manager. The capital stock is \$20,000.

Newmarket .- J. W. Gardner is erecting a a flour mill at Friend's Station (P. O. at Newmarket).

Nashville.-The Chattanooga, Cleveland & Ducktown Railroad Co. has been incorporated by J. T. Wilder, of Roan Mountain; John W. Stone, D. A. Nunn, B. W. Padgett and G. Cate.

Nashville.-It is stated that Mr. Ferriss is organizing a company to start a soap factory.

Nashville,-The Mansfield & University Street Railroad Co. has been incorporated by Hugh McCrae, B. Lanier, J. C. McCrory, J. A. Pique and F. C. Murry.

Nashville.-The American Wire Hoop Co., of Jackson, has been reorganized, and the capital stock has been increased to \$600,000. The company will build their works at West Nashville.

Nashville .- J. W. Thomas, J. W. Sperry, H. Sperry, D. F. Wilkin, Horace Scott and T. O. Morris have incorporated the Scott Street Railroad Co.

Nashville.-The Automatic Water Gas Co., capital stock \$100,000, has been organized by Messrs. Price, McComb, Wheless

-A Northern company have ommenced boring for oil.

Obron.-L. V. Boyle & Co. will rebuild their planing mill reported in this issue as burned; loss, \$40,000.

Riceville.-Bishop & Son contemplate erecting a new wagon and carriage factory, two stories, 35x75 feet, with a blacksmith shop, 30x50 feet.

Riceville.—Bishop & Son want prices of omplete outfit of machinery for a 50-barrel roller flour mill.

Rockford.-The Rockford Cotton Mills. lately reported to put in new machinery, are adding 1,600 spindles, together with speeders, twisting machinery, &c. The cost will be about \$11,000.

Sadlersville .- T. J. Mitchell has purchased the Sadler mill, and will put in machinery for a woolen mill.

South Pittsburg.-D. J. Chandler has contracted to erect a bank building to cost not

Union county.-The Tellico iron property as been purchased by Mr. De Camp and William Means, of Cincinnati, O.: O. Fletcher, Nashville; R. L. Bright, Chattanooga and several others. They will build a railroad from Sweetwater to the property, and will, we are informed, build slate works,

West Point,-A company will shortly be organized to erect the charcoal furnace and chemical plant previously reported. Its capital stock will be \$400,000. E. W. Cole. of Nashville, will be president. A site has been selected.

White Pine.-E. P. Moulton has sold lead mines to a company who will develop them at once.

TEXAS.

Benjamin,-Knox county will build a \$10,000 jail.

Boerne.-Richard Crosker will start an ice factory.

Corsicana.-The Corsicana Lumber & Manufacturing Co. has been chartered by P. C. Beale, F. W. Caruthers, C. W. Jester H. G. Damon and S. C. Olive. Its capital stock is \$50,000.

Cuero.-A \$250,000 company has been chartered to build a canal to bring the waters of the Guadalupe river to Cuero.

Dallas.-Hughes Bros. & Co. will shortly begin work on their new factory previously reported. They will manufacture grocers' sundries.

El Paso.-Mr. Ennis and others have formed a company to build a canal for irrigating purposes.

El Paso.-The Wilmore Town Co. has been organized to build a new town in the Rio Grande Valley.

Greenville.-A company has been formed to build a street railroad.

Greenville.-A large roller flour mill is to

Hillsboro.-I. D. Warren, A. H. Files. C. M. Dunham and others have organized a national bank and will erect a bank build-

Mount Pleasant.-A brick-yard has been started lately.

Paris.-It is reported that plans are being prepared for the erection of a large ice factory and refrigerating and bottling works.

Paris.-The Methodists will build a brick church, 60x85 feet, to cost about \$20,000.

San Antonio.-Louis S. Berg and others are organizing a company to erect an electric light plant. They will adopt the Thompson Houston system.

Santa Anna .- A 200-barrel flour mill will. it is said, soon be built.

Waco.—It is stated that Messrs. Dennis, corporators, the Farmville Water Co.; the Scoville and King, previously reported as Salisbury Coal Mining & Manufacturing Pryor, 4 miles from Rusk.

leasing the Waco Cotton Mills and putting them in operation, will enlarge the mills.

Waldo.-The Leakey Kaolin Co. are preparing to develop kaolin mines.

VIRGINIA.

Bland county .- The Round Mountain mineral property, reported last week as being purchased by C. G. Holland, of Danville, A. S. Buford, Richmond, and others, will be de veloped as soon as a railroad is built to the property.

Blue Ridge Springs.—A canning fa will be started by T. F. Weeks & Son. -A canning factory

Buchanan.-Mineral lands near Buchanan have been leased and will be developed by Mr. Cook.

Covington.-The Alleghany Iron Mountain & Mining Co. have leased their mines to Frank Lyman, of New York.

Danville-A bill will be introduced in the legislature to allow Danville to appropriate \$100,000 of a certain fund for the new gas works previously reported, and for improving the streets, etc.

Fincastle.-An iron foundry will be started by Oscar Bowyer.

Greenville.-Vines & Steele will enlarge perations at their manganese mines.

Lynchburg.—A large 3-story building will be erected by George Murrell.

Lynchburg -It is rumored that the Lynchburg Iron Co., contemplate erecting a steel plant.

Newport News.-The Newport News & Co., (office, Mississippi Valley Railroad Richmond,) contemplate building a coal pier 275 feet long.

Petersburg.-It is reported that Northern parties have purchased the Upper Appomat tix Canal and will spend several hundred thousand dollars in building mills, &c.

Richmond.-The Carbon Hill coal mine near Richmond, has been purchased by the Richmond Coal Mining & Manufacturing Co.; Ware B. Gay, 30 Kilby street, Boston, Mass., president. Mining will be resumed as soon as the Tuckahoe & James River Railroad can be constructed and shafts sunk. The capital stock of the company is \$300,-000. The contract to build the railroad and sink the shafts has been let to Whidden. Hill & Co., 101 Milk street, Boston.

Salem.-Preston, Evans & Co., lately reorted as starting a canning factory, will, after this season, manufacture their own cans and boxes. They will probably start a broom and bucket factory to employ their hands all the year.

Salem.-Mr. Tower, of New York, has urchased and will develop the Botts iron mines near Salem. M. M. Rogers, Salem can probably give particulars.

Virginia.—A Philadelphia company, (represented by Evans R. Dick, 147 Fourth street,) owning 6,000 acres of iron lands in the Crip ple Creek region, and 40,000 acres of coal lands, contemplate mining coal and manufacturing iron and coke on a large scale, but as yet have formed no plans which they care to make public.

Virginia.-Bills have been introduced in the legislature to incorporate the Murfreesboro Railroad & Telegraph Co.; the Roanoke Rolling Mill Co.; the Clinch River Construction Co.; the Pulaski Water Supply Co.; the Balcony Falls Co.; the Norfolk Dock Improvement Co., to build, repair and manufacture steamships, and construct a warehouse and compress at Norfolk, with William Lamb, Walter H. Taylor and others as incorporators; the Spottsylvania Railroad Co.; the Virginia Immigration, Land & Improvement Co.; the Orange Telephone Co.; the Portsmouth Street Railway Co., with W. H. Stewar and others as incorporators; the Chowan & Southern Railroad Co., with Ioseph T. Tunis, C. M. Serpell, W. W. Tunis, S. Eccles, Jr., and Theopholis Tunis as inCo.; the Northern Neck Telegraph & Telephone Co.; the Dimviddie & Brunswick Lumber & Wood Transportation Co.; the Bermuda Hundreds Construction Co., to build railroads, piers, docks, tunnels, bridges, elevators, &c., with James H. Young, Mason Young, Franklin Stearns, Richard Irwin, Jr., James R. Worth, R. A. Dunlop and Willia H. Young as incorporators, and the Bristol-Goodson Water Co.

Wytheville.-A wagon and carriage factory will be built by W. H. Sult.

WEST VIRGINIA.

Austen.-The Austen Coke Works, C. Jessop, agent, will build 12 more ovens at They contemplate building 23 more. They are testing their clay deposits, and expect to build brick works if the results are satisfactory.

Charlestown.-William Phillips & Sons will at once erect a large sash factory.

Fairmount .- J. E. Watson & Co. will build some new coke ovens near Fairmount.

Huntington.-The Newport News & Mississippi Valley Railroad Co., (office, Richmond, Va.,) will enlarge their machine shop and build a new paint shop.

Mason City.—The Hope Manufacturing Co. will at once rebuild their large salt works reported in this issue as burned : loss \$50,000.

Moundsville.-J. W. Craig and Frank Lowry have asked permit to lay pipes to furnish natural gas.

Wheeling .- The Southern Natural Gas & O l Co. have issued \$5,000,000 of bonds for the purpose of developing their mineral, o.l and gas lands, embracing nearly 200,000 acres.

BURNED.

Aubrey, Texas .- The gin of C. G. Caddell & Francis.

Bath, S. C .- The saw mill of W. H. Dowdy.

Claiborne county, Miss.-The grist mill and gin of Ann B. Archer.

DeSoto parish, La.-The saw mill and ginnery of R. B. Hollingsworth; loss \$3.500. Dodge county, Ga .- The shingle mill of

Peyton S. Ethridge. Dover, Ky.-The saw and grist mill of S. J. Bumpus, near Dover.

Dubois, Ga.—The saw mill of Samuel Carnes; loss \$8,000. Will be rebuilt,

Dudley, S. C .- The gin of Funderburk & Massey.

Ellzey, Fla.-G. H. Sullivan's steam saw mill; loss \$3,000. Will rebuild at once.

Frankfort, Ky .- The saw mill of Wakefield & West damaged by a boiler explosion.

Gordon county, Ga .- The gin of L. D. Armstrong.

Hardwickville, Va.-The bark mills of A. N. White & Co.

Henry county, Ga.-The mill of A. C. Sloan

Liberty, Va.-The tobacco factory of Bolling, Wright & Co.; loss \$25,000. Marion Station, Md .- The steam saw mill

of Calloway, Swain & Hastings; loss \$1,200. Mason City, W. Va.—The large salt works of the Hope Manufacturing Co.; loss \$50,-000. Will be rebuilt at once.

New Orleans, La.-The turpentine distillery of E. Koch, Schmitt & Son: loss

Obion, Tenn.-The large planing mill of L. V. Boyle & Co.; loss \$60,000. Will be rebuilt.

Pike county, Ala .- The saw mill of Knox & Spencer

Raleigh, N. C .- The mill and works of the Raleigh Oil Mill & Fertilizer Co.; loss \$50,000. Will probably be rebuilt.

Richmond, Va.-The brick works of A. Maynard & Co.; loss about \$5,000.

Rusk, Texas.—The saw mill of Robert

Salisbury, N. C .- The tobacco factory of Robertson & Miller; loss \$17,000. rebuilt.

Sharpe, Ky .- The grist mill of Henry Phelps wre ked by a boiler explosion.

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Warrenton, Va.-The whiskey distillery of Mr. Bailey.

West Point, Ga .- The cotton mills of the West Point Manufacturing Co.; loss \$250,-Will be rebuilt at once,

Wilki son county, Miss .- The gin of D. Babers.

Flour Mill Machinery Wanted

RICEVILLE TENN., March 26, 1887. Editor Manufacturers' Record:

We contemplate erecting a new wagon and carriage shop during the year. Our building will be 35x75 feet, 2 st ries high. Will also build apart from the main building a blacksmith shop, 30x50 feet. I story high. A new roller process flouring mill will probably be built here this season. Want prices on a complete outfit of machinery for such a mill. with a capacity of 50 barrels per day; none but reliable manufacturers or contractors need apply. Capitalists seeking investments would do well to investigate the mineral lands in this section. In two miles of this place large quantities of red hema-tite can be found which assays 65 per cent. A number of small industries could find it profitable to locate here. I will cheerfully answer all inquiries in regard to this place

LITTLE ROCK, ARK., March 25, 1887. Editor Manufacturers' Record:

or country.

J. В. Візнор.

The Little Rock Timber Co. was organized here for the purpose of buying and selling lands, buying, manufacturing and selling shingles, with T. J. Darragh, president, and as secretary and treasurer we have I. NIEMEYER. I. Niemeyer.

PIERSON, FLA., March 25 1887. Editor Manufacturers' Record:

Myself and others have formed a company. and are now building a narrow gauge railroad. We will have it ready next week. It is 3 miles long at present, but will be ex-N. L. PIERSON. tended,

Contracted for Water Works.

PINE BLUFF, ARK., March 24, 1887. Editor Manufacturers' Record:

The contract for the construction of water works at this place was let on the 9 h of this month to the Water, Light & Power Co., H. KING WHITE. of St. Louis, Mo.

A Land & Lumber Company.

ASHVILLE, ST. CLAIR Co., ALA., Mar. 25,'87. Editor Manufacturers' Reard :

Declaration of incorporation of The River Side Land & Lumber Co. was filed in the probate court here to day by J. M. Smith, of Talladega, and D W. McBrier and J. Crowder, of River Side, Ala. The place of business is Ashville, Ala.

GEORGE R. CATHER.

Adding a Lath Mill.

SEDDON, ALA., March 25, 1887. Editor Manufacturers' Record:

We are adding a gang lath mill 5 M feet capacity per day. JENKINS & LESLIE.

FEAGAVILLE. MD, March 28, 1887. Editor Manufacturers' Record:

We are now building a creamery, and expect be in operation by the first of May. Our capacity will be ten to twelve thousand pounds of milk per day. Will be known as the Red Spring Creamery Co., composed of S. F. Hargett, C. E. Feaga, D. M. Culler and H. J. Beard.

HARGETT, CULLER & Co.

Selma's New Enterprises.

SELMA, ALA., March 24, 1887. Editor Manufacturers' Record:

Messrs. Wells, Hicirda & Stuck are erecting new bottling works in this city, and ct to begin operations by the 10th of April. Messrs. Golding & Inersen are also erecting a large ice factory, and will begin freezing water by the 1st of May. The Selma Land Co. will begin immediately the erection of a large packing-house and refrigerator for Phil. Armour, who will make Selma his Southern distributing point. A company has just been organized with a capital stock of \$20,000 to build and operate rolling mills in this city. A company has also been organized with a capital stock of \$25,000 for the manufacture of stoves in Selma. Another important enterprise is the chain works to be operated in this city, with a capital stock of \$25,000, all subscribed.

E. R. KINCEY, Editor Selma Times.

Enlarging Tannery.

GREENVILLE, S. C., March 26, 1887. Editor Manufacturers' Record:

We have put in a fifteen H. P. engine; new bark mill; new heat leaches, with steam; a new scouring machine. A short time ago we put in 10 vats, of which no notice was made; now we are putting in 12 more. Mr. Goodlett is a pract cal tanner of 12 years' experience. We also have two cotton gins, one 40-saw and one 60-saw, with feeders and condensers and press, we propose to put up and run this We are now fixed for business. which

GOWER CO. & GOODLETT.

LURAY, VA., March 24, 1887. Editor Manufacturers' Record :

I am testing a limestone which indicates a good quality. If so, will burn lime on an extensive scale. J. V. JAMISON.

Erected Large Saw Mill.

PLANK, TRXAS, March 24, 1887. Editors Manufacturers' Record:

We have about completed and will soon have in operation a first-class saw mill in every respect. Capacity 45 M feet per day, MIDDLEBROOK & BRO.

Panel and Veneer Works.

PARKERSBURG, W. VA., March 26, 1887. Editor Manufacturers' Record:

We have organized a panel and veneer works here, to be known as the Parkersburg Veneer & Panel Co., and expect to be run-ning by April 5, 1887.

PARKERSBURG VENEER & PANEL CO., I. M. SEUSEMAN, Sec. and Treas.

LOUISVILLE, KY., March 26, 1887. Editor Manufacturers' Record:

We are now erecting a new building on the site of our former one, which, when all the improvements are finished, will cost ROBINSON BROS. & Co. \$45,000.

Received Contract to Build Bridge.

MT. VERNON, O., March 26, 1887. Editor Manufacturers' Record:

We have the award of Georgetown and Washington, D. C., acqueduct bridge, consisting of 9 deck spans, of 114 feet each; 1 viaduct span over canal, 127 feet, and 1 through double intersection truss, 160 feet. To be completed in 7 months.

MT. VERNON BRIDGE CO.

Will Rebuild Saw Mill.

DuBois, GA., March 26, 1887. My saw mill was burned on the 14th inst. Fire started in boiler house. Nothing saved in mill. Total amount lost about \$8,000 or \$9,000. Insured for only \$2,500. Will rebuild as soon as possible. SAM'L CARNES.

To Develop Coal Mines.

BOSTON, MASS., March 26, 1887. Editor Manufacturers' Record:

The coal property near Richmond, Va. has been transferred to and is now owned by the Richmond Coal M ning & Manufacturing Co., organized under special charter of the legislature of Virginia. Capital is \$350,000, fully paid. Ware B. Gay, of Boston, is president; John T. Jones, Carbon Hill, Va., mining engineer and superintendent; W. T. Wilcox, Carbon Hill, Va., secretary; H. C. Skinner, New York City, treasurer. Principal office 12 Broadway New York, and at mines, Carbon Hill, Va. Mining will be commenced as soon as the Tuckahoe & James River Railroad (which is included in the purchase recently made) can be reconstructed and the shafts sunk, all of which will require some months yet. The contract for rebuilding the Tuckahoe & James River R. R. sinking shafts, etc., has been closed with Me-srs, Whielden, Hill & Co., 101 Milk street, Boston, Mass., who will at once commence work. Hill & Co., 101 MHK Street, Donald, who will at once commence work.

WARE B. GAY.

WEST POINT, GA, March 25, 1887. Editor Manufacturers' Record :

We have already erected hottling works with a capacity of 5,000 bo tles per day, and are contemplating putting up chine of ten ton capacity. The bottling works are already in successful operation. LANIER BROS.

Building Street Railroad.

BRUNSWICK, GA., March 25, 1887. Editor Manufacturers' Record:

Work has already begun on the Brunswick Street Rail: o.d. Rails on hand; cars here. Length of road, 414 mi es. Rails steel, 38 pounds to yard, of most improved Everything will be first-class. Road to be extended as fast as required. To be completed July 1, 1887.

I. R. MUNSHEN.

Erecting Bottling Works.

SELMA, ALA., March 26, 1887. Editor Manufacturers' Record:

We are erecting a bottling works in this city. The name of the firm is J. W. Wills J. W. WILLS.

WILLIAMS STATION, ALA., Mar. 25, 1887. Editor Manufacturers' Record:

I am putting up or adding a dry kiln and planer to my lumber mill at this place. W. M. CARNEY.

Additional Machinery.

ROCKFORD, TENN., March 28, 1887. Editor Manufacturers' Record:

We are adding to our mill 1,600 spindles, which have already arrived, together with spedeers, twisters, &c., which will amount to about \$11,000 in the way of improvements. This does not require any new or additional buildings. ROCKFORD COTTON MILLS,

F. P. Toof & Co.

Enlarging Foundry.

Anniston, ALA., March 26, 1887. Editor Manufacturers' Record:

We are enlarging our foundry, having extended our buildings one-third and putting in a new and much larger blower, thereby increasing our capacity to 15 tons per day. Have local orders alone to the extent of 7 months ahead now, and outside orders for upwards of 500 tons, with every prospects of so continuing for an unlimited time.

MURRAY & STEVENSON.

Bids for a Charcoal Furnace Wanted.

ROME, GA., March 28, 1887.

Editor Manufacturers' Record:

The Rome Land, Iron & Improvement Co. want bids on a charcoal furnace, to be built at once. Correspondence with builders is desired. W. P. SIMPSON, President.

Compress Machinery Wanted.

MILLEDGEVILLE, GA., March 25, 1887. Editor Manufacturers' Record:

We are enlarging our brick yard. We have just put in a Pott's disintegrator and elevator, and we are putting up 3 of Morrison's patent kilns. We are also building a track from our clay beds to the machine, and when everything is completed we will have a first-class plant. We have inquiries out now in regard to a 25-horse-power engine and 30-horse-power boiler. The writer is on a committee to learn the cost of a cotton compress; one with a capacity of 500 bales a day would suit. We want price of compress already to turn on steam. We have lately commenced working our machine shop, and are crowded with work. There is a fine opportunity for some capitalists to add to his pile if he would come down and build a canal so as to utilize the wa er-power of the Oconee river at this place. 2,500 horsepower can be had at a small cost,

FOSTER & MCMILLAN.

New Coke Ovens.

AUSTEN, W. VA , March 26, 1887. Editor Manufacturers' Record:

We have 65 coke ovens now in ope ation, and are about to build 12 more, expecting to increase to 100 ovens as rapidly as possible. We use the Bee-hive oven, and are now running 100 tons of coke daily, for which we find ready market, as our coke ranks high, competing easily with Connellsville coke. We are also developing our fire-clay, and expect to put in brick works if the clay meets our expectations.

AUSTEN COKE WORKS C. IRSSOP, Agent.

Anniston, Ala., March 23, 1887. Editor Manufacturers' Record:

Our city will build a new city hall, with guard-house and fire engine rooms in the same building. The building will be of brick, and will probably cost \$7.500.

BIRMINGHAM, ALA., March 25, 1887. Editor Manufacturers' Record:

Mr. Berney, president of the Berney National Bank, of this city, has contracted to erect a \$25.000 hotel at Bessemer, Ala., and work to be commenced in 30 days.

H. F. DE BARDELEREN.

BARTOW, FLA., March 21, 1887. Editor Manufacturers' Record:

We have received the contract to build the Summerlin school building at a cost of \$17,227. It is to be of brick, with galvanized iron cornice. THOMPSON & Co.

To Build Street Railroad.

ROANOKE, VA., March 26, 1887. Editor Manufacturers' Record:

Our company has been organized, and will get to work as soon as practicable.

THOMAS LEWIS,

President Roanoke Street Railroad.

Brick Works

MONTICELLO, GA., March 22, 1887. Editor Manufacturers' Record:

We intend to run a brick-yard on a small scale. Will begin on the 28th or 30th of this month, and make from 7,000 to 10,000 by hand per day. We will put up machinery soon. CONNER & BRODDUS.

ROGERSVILLE, TENN., March 22, 1887. Editor Manufacturers' Record:

I have started two portable saw mills on the Holston river, with a capacity of 40,000 feet per day, and will cut exclusively poplar and ash. The cost of the machinery, &c., is \$8,000. JOHN J. WOLFE.

Ice Factory to be Built.

CLEBURNE, TEXAS, March 22, 1887. Editor Manufacturers' Record:

I am informed by one of our city councilmen that a Mr. J. W. Day will erect an ice factory here, provided the city council will furnish an unlimited amount of water. The council will do this as soon as it gets the large new pump, ordered some time ago. properly placed in our artesian well, which affords an abundance of water.

S. N. CLARK.

MACON, GA., March 15, 1887. Editor Manufacturers' Record .

Our new depot is nearly finished, and can say that it is the handsomest building of its kind in the South. Our new freight depot is under contract and will be commenced in a few days by the Fallon Bros., of Savannah. It is to be 100 feet wide by 400 feet long,

E. T., VA. & GA. R. R. Co.

To Develop Mineral Lands.

LINDEN. TENN., March 19, 1887. Editor Manufacturers' Record:

The mineral land I sold to Memphis parties will be developed in the near future. They have capitalized it, and as soon as they are properly organized will put up furnaces on Tennessee river. ROBT. HOUSSELS.

Marble Quarries to be Developed.

KNOXVILLE, TENN., March 17. 1887. Editor Manufacturers' Record:

A company of gentlemen have bought 2,067 acres of land on the E. T., Va. & Ga. R. R., 46 miles south of Knoxville, known as the General Reagan farm. The company is stocked at \$100,000. A new town will be built on the East Tennessee road. Extensive marble quarries are near Reagan's, and railroad will be run from the new town to the quarries. Marble mills, wood-working and other factories will be established at the new town at once. It is a beautiful location for a town, good country, and the gentlemen interested mean business. J. H. Bran.

Iron Bridge to be Built.

PLANO, TEXAS, March 23, 1887. Editor Manufacturers' Record :

An iron bridge is to be built over Spring creek at this place. It is to be built by Collin county. Work will be in progress W. D. PEARCE.

PALESTINE, TEXAS, March 21, 1887. Editor Manufacturers' Record:

I have contract to build the court-house for Nacogdoches county. The cost will be from \$12,000 to \$15,000. It will be a brick building. D. N. DARLING.

Large Works to be Erected.

DECATUR, ALA., March 26, 1887. Editor Manufacturers' Record:

The Oak Extract Company will erect here the largest works of the kind in the world. They extract the tanning qualities from oak wood, as well as from bark. Plant covers five acres; employs 150 men. Commence W. E. FOREST. work in 30 days.

Will Rebuild Mill.

BANDY, N. C., March 25, 1887. Editor Manufacturers' Record:

Our saw mill was washed away. Our intention is to rebuild soon.

WILSON & ROBINSON.

Will Erect an Ice Factory.

BOERNE, TEXAS, March 23, 1887. Editor Manufacturers' Record:

Richard Croskey intends to start an ice factory in this town.

KEYSER, N. C., March 20, 1887. Editor Manufacturers' Record:

I am running, in connection with J. T. Patrick, his experimental farm, and we expect to put in a shingle and corn mill, cotton gin, and possibly saw mill also at ome time in the near future, neither of them on an extensive scale. R. M. CONCH.

WEBSTER, N. C., March 22, 1887. Editor Manufacturers' Record :

We have signed contract to build courthouse at this place for \$11,400, with old building included. It is to be built of brick. 50x70 feet. We will commence work on it ELLIOTT & ELLIOTT. immediately.

HEBER, ARK., March 18, 1887. Editor Manufacturers' Record:

The coal found near Heber will be developed by Dr. M. M. Hazle, of Cedar Rapids, J. R. B. MOORE.

Will Erect a Stave Factory in Tennessee.

MILWAUKEE, WIS., March 21, 1887. Editor Manufacturers' Record:

I use a million and more of staves annually in my shops. I have come to the conclusion to locate somewhere in Western Tennessee; have not agreed on the place yet. CHAS. STOLPER.

Will Enlarge Mill.

GREENVILLE, S. C., March 23, 1887. Editor Manufacturers' Record:

We have built tower to our mill, and will put in sprinklers and water tank for 10,000 gallons water. Will at once add 64 looms, and build brick addition, 40x40 feet, to our HUGUENOT MILLS.

Public Sale

South Pittsburg, Tenn.

The South Pittsburg City Company has decided to begin the sale of their manufacturing, business and residence

TUESDAY, MAY 10, 1887.

Special rates of fare on the railroads, and ample accommodations at reduced rates in the Hotels. For maps, descriptive pamphlets and terms of sale, address

G. C. CONNOR, Sect'y, South Pittsburg, Tenn.

BUENA VISTA IRON PROPERTY.

ROCKBRIDGE CO., VA., On the Shenandoah Valley and Rich mond & Alleghany Railroads, FOR SALE

Two good locations for large Steel or Iron Furnaces; 11,500 acres in the tract; covers 5 miles of the Blue Ridge mineral belt; analysis of iron ores show from 50 to 60 per cent. of metallic iron; iron ore veins well developed, showing large quantities of good ore; flattering indications of manganese and tin; unusually good railroad facilities for reaching 4 or 5 large road facilities for reaching 4 or 5 large coal fields, affording decided advantages in procuring cheap fuel. Address,

C. F. JORDAN, Green Forest, ROCKBRIDGE Co., VA.

DRAPER-KIDDLE LAND Anniston, Ala.

BUY AND SELL LAND

On most reasonable terms. Any information concerning Annistor will be cheerfully given.

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Anniston, Ala.

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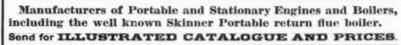
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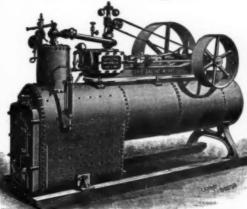
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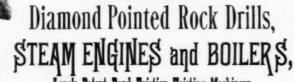
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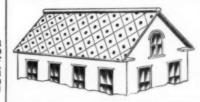
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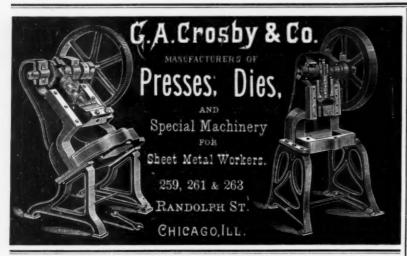
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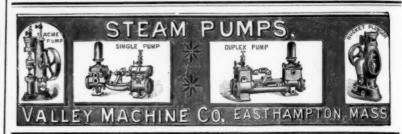
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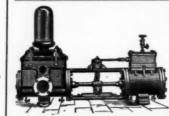




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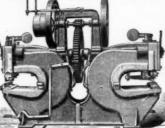


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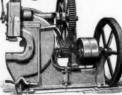
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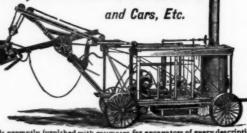


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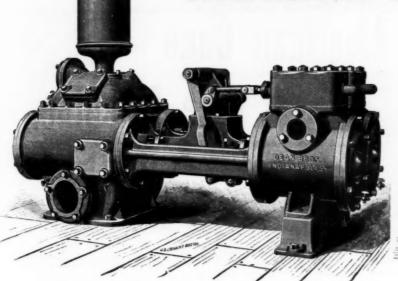


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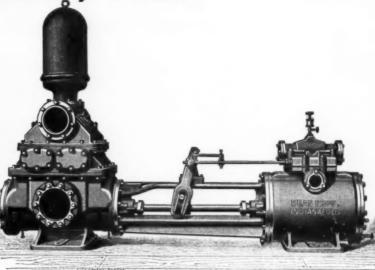
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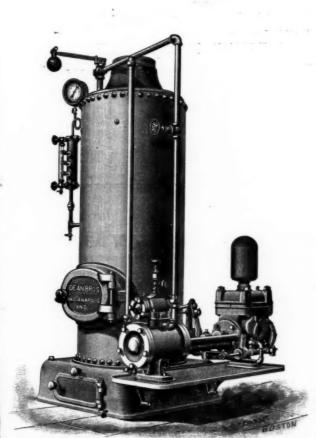
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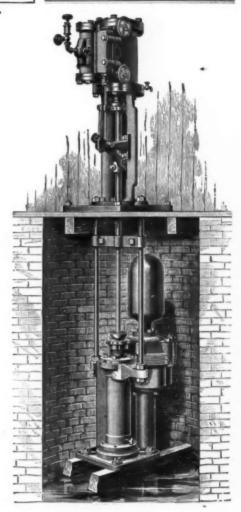


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Ribbed Bessemer Steel Frames, Hot Bent. Guaranteed Satisfactory to user. Send for Circulars and Prices

COLEMAN HARDWARE CO.

(Formerly OHIO BUTT CO.) 55 Dearborn St., - CHICAGO, ILL.

Please mention this paper.

OOK THROUGH the advertising pages carefully. They contain the announcements of the largest and most reliable houses in the country manufacturing and dealing in machinery of all kinds, mill, factory, mine and railroad supplies, hardware, roofing, builders' material, etc. If in need of anything herein advertised, write to the advertisers for catalogues, prices, &c.

Business Chances.

WANTED.—A practical pattern maker, capable of making ordinary drawings, with some experience is millwrighting and machine work; also, a practical man capable of selling and erecting wind-mills. Addrees, Progress Engine & Machine Works, Summerfield, Baltimore county, Md.

WAGON FACTORY.—Rome, Ga., wants a wagon factory. Parties there will take \$5,000 of the capital stock and will donate a site. White oak, hickory, and all the hardwoods and long-leaf pine easily obtained and accessible by rail and water. Parties accepting must come with new machinery. Address, W. P. Simpson, Prest. Rome Iron, Land & Improvement Co., Rome, Ga.

COTTON PRESS.—I have completed model of a cotton press which possesses substantial merit over any press ever put on market. The advantages are economy in packing power, dispatch of work and ease of management. Not being able to handle it, I desire to dispose of the invention. Correspondence solicited. A. H. Harrington, Harrington P. O., N. C.

FREE SITES.—I will g ve a free site to any parties desiring to erect an iron furnace or any manufacturing enterprise, situated on east side of New river and on Norfolk & Western Railroad between junction with Pocahontas coal road and Central. W. R. Wharton, New River Depot, Va.

WANTED.—A man capable of selecting, preparing and rolling in plug tobacco factory. Must be sober and bring good references. Address C. Whittier, Whittier, N. C.

FORTUNE HERE.—Owing to my health, I wish to sell rights in my New Era Washing Machine. Best out; children work it easily; very simple; pleases every one. Large sizes for laundries. W. L. G. Appleby, Germantown, Md.

WANTED.—A partner with \$10,000 to manufac-ture and sell a patent medicine not represented in the South. Open field and an opportunity to est th-lish a large and valuable business. Address T. E. H., P. O. box 98, Atlanta, Ga.

WANTED.—A partner with \$2,500 in established photo-engraving business. Advertiser is thoroughly experienced, and will teach business to incoming partner. Address "Photo-Engraving," care box 98, Atlanta, Ga.

WANTED.—A man with a small capital and thoroughly acquainted with furniture manufacturing, to take one-half interest in a factory now being built at Sheffield, Ala. Address Z. T. Spencer, Sheffield, Ala.

A PARTNER WANTED with \$5,000 to \$10,000 capital to assist in carrying on the business of a first-class machine shop, with good business prospects, located in Atlanta, Ga. Address all inquiries to Box 297, Atlanta, Ga.

agg, Atlanta, Ga.

A PARTNER with \$10,000 to \$15,000 wanted to operate a cotton mill in Mississippi. Experience not essential. Mill in running order and can be had free of rent for one year, and very low rent after that. I have had 20 years' experience and know that the mill can clear \$100 a day. One firm will contract for all the yarn mill makes for two years at good price. Myron Kent, Natchez, Miss.

WANTED.—A situation by a thoroughly competent manager of the advertising department of a patent medicine or similar business. Long experience and first-class references. Address H. E. T., care Box 98, Atlanta, Ga.

A PRACTICAL Stove Manufacturer desires to

and first-class reference. Address in the state of the st

Md.

A PARTNER, owing to advanced age, will sell cheap his half interest in a steam saw mill in Western North Carolina. Mill has capacity of 15,000 feet per day, and is located on railroad and good logging stream, on which is an inexhaustible supply of good timber. If desired, the entire mill may be purchased. Address Duff Merrick, Asheville, N. C.

WANTED A position in some responsible may

Address Duff Merrick, Asheville, N. C.

WANTED.—A position in some responsible machine manufactory, where steam engines or woodworking tools are built. Have 28 years' experience, and have several important inventions in steam engines and wood-working machinery. For further particulars and reference address H. F., 2014 W. Market street, Louisville, Ky.

BERNHARD DIETZ, Manufac- Printers' Rollers,

Morrison's Practical Engineer.

A concise treatise on Steam and General Ma-chinery. Also Practical Tests on Electric Lighting. 172 pp. Second edition, revised and improved. Mailed on Receipt of \$1.60.

W. A. MORRISON, Box 373.

LOWELL, MASS. Mention this paper,

Sweet's Patent Measuring Machine.



ring Screw 10, 16 or 20 Threads to the graduated to read thousandths or 32ds

IT WILL PAY YOU TO USE THIS MACHINE Upon **OMMON WORK for the TIME it will save. Upon FINE WORK for the ACCUBACY it will secure. It is the only Micrometer that will not lose its accuracy by use.

We will send one of these machines to reliable parties on trial. Those who use it would not be without one for many times its cost. Address,

SYRACUSE TWIST DRILL CO., Syracuse, N. Y.

Toledo Spring & Variety Iron Works

This is the latest and most improved combined Punch and Shear, being the only one that the operator can stand by his work and handle his lever, being in position to handle both at the same

both at the same time.

A full line of Conductor Hooks lee Tongs and Childien's Carriage Springs. Write for prices and circulars.

The Woodruff's Patent Celebrated American Suspending Fave American Surding Fave Trough Hang-er. The best in the world.

Manufactured by GEO.W. HEARTLEY, Toledo Spring & Variety Iron Works, 303 St. Clair Street, Toledo, Ohio.

ROOT'S NEW IRON BLOWER



IRON REVOLVERS.

PERFECTLY BALANCED.

Has fewer parts than any other Blower. Also, lacksmith Blowers, Portable Forges, Tuyers cons, and Gas Exhausters.

P. H. & F. M. ROOTS, Manufacturers-CONNERSVILLE, IND.

\$250 SINGLE. \$350 DOUBLE.



day with o me-15 horse portable eng wanted. Send for des ROCKWOOD, NEWCOMB & CO. 180 to 190 S. Pennsylvania St., Indianapolis, Ind.

The HYATT PURE WATER SYSTEM.

Adapting Nature's Process-Endorsed by the Highest Authority.

oes, N. Y.; Ho

A Perfect Water Purifying System. In constant use by Cities, Towns, Water Com-panies, Factories, Mills, Steam Boilers, Public Institutions, Private Residences.

Indispensable to Textile Manufacturers. Adapted to every condition requiring Clean, Bright Water in any quantity. Perfect in Operation, Quickly Cleaned Automatically, Reliable, Indestructible.

Reliable, Indestructible.

MUDDY WATER MADE CLEAN.

HARD WATER MADE SOFT.

Organic and semi-soluble elements removed. Scale and Mud Deposits in Boilers Prevented. With hundreds of plants in operation, treating all kinds of water, our system HAS NEVER FAILED. Promised Results Guaranteed. Adopted by Somerville & Raritan N. J. Water Co.; City Water Co., Belleville, Ill.; Water Works, Charleston W. Va.; Clark Thread Works, Newark, N. J.; Earl & Wilson, Troy, N. Y.; Worfolk & N. B. Hosiery Co., New Brunswisk, N. J.; Victor Knitting mills, in one of the control of the control

THE NEWARK FILTERING CO., Tribune Building, NEW YORK.

TRADE NOTES.

WE call attention to the advertisement of Hughes Bros Steam Pump Works, Cleveland, Ohio, whose pumps (for every duty) are becoming very popular in the South. new handsomely illustrated catalogue, fully describing the various styles and construction, with recent valuable improvements, is now out and will be sent free upon application to any of the readers of the MANUFAC-TURBRS' RECORD. Hughes Bros. are practical men, and make a pump that is not only cheap but a good, well-made piece of ma-

E. M. MARSH & Co., of Salt Springs, Ga. are putting in the Brush electric light in their hotel, the machinery being furnished by the Ball Engine Co., Erie, Pa

THE electric light interest opens very active for this year. The Westinghouse Machine Co. has made recent shipments to electric light companies as follows: South Side Electric Light Co., Pittsburgh, Pa., two 150 horse-power: Brush Electric Light Co. Buffalo, two of 60 horse-power, (twenty-first order); the East-End Electric Light Co., Pittsburgh, Pa., two 75 horse-power, (third); Hartford Light & Power Co., Hartford, Conn., two 60 horse-power; Jefferson City Electric Light Co., Jefferson City, Mo., 60 horse-power; Wahoo Electric Light Co., Wahoo., Neb.; Portland Electric Light Co., Portland, Oregon, four of 60 horse-power, (seventh): Litchfield Electric Light Co., Litchfield, Ill., 100 horse-power; Cleveland Electric Light Co., Cleveland, Ohio, 75 orse-power, (seventh); Canon City Electric Light Co., Canon City, Col., 60 horse-power: Olney-Edison Electric Light Co., Olney, Ill., 60 horse-power; Jenney Electric Light Co., Fort Wayne, Ind., three of 15 horse-

THE South Pittsburg City Co. have decided to begin their public sale on Tuesday, May 10th, and it will continue for one week. The two hotels, it is claimed, will be open by May 1st (one is now open) and accomm dations for 3,000 visitors provided. The railroads will give special excursion rates. The company have now in press an illustrated 24-page pamphlet, which will give the history and present surroundings, resources and attractions of Sequachee valley and its principal manufacturing town, South Pitts-burg. A copy of this will be mailed to any person seeking further information.

ER

MESSES, WHEELER & TAPPAN, of Chicago, Ill., manufacturers of steam pumps of every description, report their business largely on the increase, and that they are unable to turn out work fast enough to comply with the demand. This enterprising firm have a vast number of their pumps in use in Chicago and vicinity, and, owing to the increase of their trade, contemplate removing soon into larger and more commodious quarters.

SCRIBNER'S MAGAZINE for April opens with the first instalment of the long-expected "Unpublished Letters of Thackeray," which more than justify the great interest aroused by their announcement. These letters were written chiefly to Mrs. Brookfield, who is still living In London, and her husband, the late Rev. W. H. Brookfield, who were among Thackeray's most intimate friends, and they are marked by a freedom that is simply charming, while in no case do we feel that anything is made public which should not properly be revealed. The great novelist's overflowing humor is everywhere apparent in the letters, they abound in shrewd and wise observations on men and things, and are especially interesting for their allusions to literary matters, and to Thackeray's own works in particular. Some of the letters are enlivened by original sketches, the reproduction of which adds much to the interest of the publication, and there are many other illustrations, including a full-page portrait of Thackeray from the painting by Samuel

Important.

When visiting New York city, save bag-gage express and carriage hire, and stop at the Grand Union Hotel, opposite Grand

Central Depot.
600 handsomely furnished rooms at \$1 and
upwards per day. European plan. Elevators and all modern conveniences.

Restaurants supplied with the best. Horse cars, stages and elevated railroads to all depots. You can live better for less money at the Grand Union Hotel than any other first-class hotel in the city.

A good turn is done our readers when we commend the American House, Boston. The judicious management which has rendered it so popular in the past is still continued, and no effort is spor d to add to the comfort and convenience of guests.

THE Palace Hotel, Cincinnati, Ohio, is said to enjoy the reputation of being the best \$2 hotel in America. 250 rooms; 140 front rooms. All conveniences and excellent cuisine.

List of Patents.

The following Patents were granted to citizens of the Southern States, bearing date March 22, 1837. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents,

Adams, J. A., Atlanta, Ga. Machine for359,657

Edmondson, W. A., Morven, Ga. Plow.....359,598 Gorrell, C. L., Belair, Md. Cable-railway

.....350,605 Hobert, H. H., Baltimore, Md. Automatic

more, Md. Machine for printing on boards. 359,972 Jarvis, W. D. F., Philippi, W. Va. Car-ven-

tilating apparatus......359,975 Knapp, Chas., Mount Pleasant, Tenn. In-

... 359,728

. 359,619

machine.....359,810

Tabony, J. H., New Orleans, La. Toll-col-lecting apparatus for public telephone-

A. P. THAYER. Solicitor of U.S. and Foreign PATENTS,

No. 86 Astor House, New York.

Experience of Over 20 Years.



Wood Engraving, Electrotyping and Printing

A. MUGFORD, Hartford, Conn.

HOW TO KEEP BOILERS CLEAN'



Hotohkiss Mechanical Boiler Cleaner,

strated in an eighty-eight page book, which will nailed FREE, to any address, by JAS I. HOTCH-SS, 98 JOHN ST., N. Y. Beware of Infringers.

Patent FISH & TERRAPIN TRAP

FOR RIVER AND CREEK FISHING.



J. S. JOHNSON & CO Manufacturers Twines and Netting, 121 South St., BALTIMORE.

Write for Description and Prices.



LEE'S ILTERING

Prevents Soot, Leaves, Bugs, Caterpillars or dead Birds from entering the Cistern. It is the Cheapest and Best Filter ever made. It will not clog up. Always set for use. Always set for use. Prices and Descrip s and Descriptive Circulars fur-

THOMAS LEE. and Sole Manufacture 46 and 48 Race St., Cincinnati, O.

HAMPION IRON FENCE CO. KENTON, OHIO.

Iron Fence and Railing Works In U. S.



SPECIALTIES—Iron Stairs and Jail Work Builders' and Ornamental Iron Work, and the onl-manufacturers of Malleable Iron Cresting, guarantee against breakage; also manufacturers of the Celebra ted Ohio Champion Iron Force and Lift Pumps. Send for 180-page Catalogue.

WM. E. TANNER,

No. 1415 Main Street, Richmond, Va. Is prepared to furnish promptly

LICHT LOCOMOTIVES,

Dummies for Street Railroads,

Pole Railway Locomotives and Cars,

ENGINES, BOILERS, & SAW MILLS,

Freight Cars, of all styles, Railroa kes, Fish Plates, Bolts, Car Axles, Car Vheels, Trucks, Links, Plns, and other Car Forgings, Bar Iron, Steel Horse Shoes.

RELIANCE

ALARM GAUGES



AGENTS WANTED EVERYWHERE.

RELIANCE GAUGE COMPANY.

Office, Argyle Building,

CLEVELAND, OHIO,

MACHINE.

The advertiser, owning a first-class Ice Ma chine, desires a party to take an interest in same and erect it in any good Southern town.
Party taking interest to manage the business,
or if stock company is organized, owner will
sell and take stock.

Address P. O. Box 249,

KANSAS CITY, MO.

FORT SCOTT, KANSAS.

Attention of Capitalists and Manufacturers is called to the numerous advantages existing at Fort Scott, Kansas, which will soon make this city one of the most important manufacturing and commercial points in the West, and enable it to maintain its present supremacy over all other cities in this State. The natural facilities are unequaled. Coal of the best quality is sold at \$1.50 to 2.00 per ton; slack, 50 cents to \$1 per ton, delivered. Abundance of stone and brick, best quality. Natural gas is fully developed, and used for all purposes, Facilities for transportation and distribution are unequaled, being already the junction of five trunk railways. Direct communication with lumber regions of Mo, and Ark. Correspondence solicited.

Secretary Board of Trade.

SECRETARY BOARD OF TRADE.

For Sale Cheap

ON LONG TIME.

1 32 in. x 32 in. x 9 ft. heavy, second-hand pla-

ner.

1 Davis Keyseater, ¼ in. to 1 in., Keyseats, Bargain.

3 Steam Pumps, second-hand. All sizes.

1 Chasing Lathe, 17 in. x 5 ft. Bed. New Haven.

I Chasing Lathe, IT in. x 5 ft. Bed. New Haven.

No. 4 Sturtevant Blower. Good as new.
I Second-hand Corn Grinding Mil.
I 10 Horse Power and 1 12 Horse Power Portable Engine and Boller on wheels, second-hand.
Vertical Engines, 1 to 20 Horse Power.
Horizontal 6 to 90 "
Vertical and Horizontal Bollers, either iron or steel—any horse power desired.
Round and Square Tanks—all sizes.
Saw Mills and Planing Mill Machinery and Machine Shop Tools.
Shafting, Pulleys, Hangers, Belting, Belt Fasteners, Lace Leather, Belt Grease, Journal Grease, Pipe, Tub's, Fittings, Valves, Pipe Tools, Files, Bolts. Set and Cap Screws, Wrought Kim Pulleys, Sheet Gum and Packing, all kinds. Boller Scale Preventive, Gardner Governors ½ in to 4 in. in stock.
Headquarters for Gas Engines.
One Sturtevant Blower, Monogram Pattern.

WM. C. CODD,

2010 and 2012 Aliceanna Street. BALTIMORE, MD.

Will Erect a Planing Mill.

FORSYTH, GA., March 24, 1887. Editor Manufacturers' Record:

Messrs. Bennett Bros., practical mechanics, will erect a planing mill at once. Quite a number of new dwellings will be built this spring. Considerable attention is given to the growing of fruit, and the interest is increasing. Middle Georgia, and particularly Monroe county, is conceded to be the finest fruit section in the South. Forsyth has caught the spirit of the "boom" that is rolling over the New South, S. F. BECKHAM.

Rebuilt Saw Mill.

TERUSALEM, N. C., March 19, 1887. Editor Manufacturers' Record :

We have rebuit our saw mill, and everything is moving off nicely. We will add other machinery soon. S. J. TATUM & Co.

BIRMINGHAM, ALA., March 21, 1887. Editor Manufacturers' Record:

Have added complete stereotype outfit. Will shortly put in a 75-light incandescent electric light plant.

CALDWELL PRINTING WORKS.

A Creamery.

BUCKEYSTOWN, MD., March 23, 1887. Editor Manufacturers' Record:

I have decided to start a creamery for the manufacture of butter and cheese, and have just commenced to put up the building.

A. W. NICODEMUS.

Erecting Saw and Corn Mills.

FOREST CITY, N. C., March 22, 1887. Editor Manufacturers' Record :

I am now putting up a saw mill, corn mill, and cotton gin, presses, &c. All my machinery I will run by steam.

I. N. BIGGERSTAFF.

COLUMBUS, MISS., March 19, 1887. Editor Manufacturers' Record:

I am starting process for evaporating ochra at Columbus, Miss., on a larger scale than at S. BRADFORD. Mobile.

TOLESBOROUGH, KY., March 20, 1887. Editor Manufacturers' Record:

The enterpise we expect to start is a plan-ing mill and grist mill. Not being sure of getting the lot we want, we cannot say whether we will go ahead or not, but expect we will. PUTMAN & GRIGSBY.

Water Works to be Built.

NATCHEZ, MISS., March 22, 1887. Editor Manufacturers' Record:

A hotel company has been formed, called the Natchez Hotel Co. They contemplate building a \$70,000 hotel. The contract for water works has been awarded to S. R. Bullock & Co., of New York.

W. H. MALLERY.

ATLANTA, GA., March 24, 1887.

Editor Manufacturers' Record:

In addition to our hat and gents' furnishing goods, we have this month started a shirt HUGHES & LAW. factory.

GREENVILLE VA., March 25, 1887. Editor Manufacturers' Record :

It is our intention to enlarge our mining (manganese) operations as soon as practicable.

VINES & STEELE.

Erecting Wood-Working Factory.

SHREVEPORT, LA., March 22, 1887. Editor Manufacturers' Record:

We are building a factory for the purpose of manufacturing wooden pumps and woodenware generally.

SHREVEPORT PUMP & TUBE WORKS.

New Machinery.

KAUFMAN, TEXAS, March 21, 1887. Editor Manufacturers' Record:

Our mill at present is worth about \$7,000, and we are adding to it new machinery which will cost us about \$5,000. We are putting in the Smith centrifugal reels and the Todd & Stanly rolls. We think we will have it in running order by the middle of April, FREEMAN & PERDE.

Purchasing Machinery.

KNOXVILLE, TENN., March 24, 1887. Editor Manufacturers' Record:

A committee has been appointed by the newly organized steam cracker factory at Knoxville, Tenn., to purchase machinery, &c. J. M. Gant, secretary and treasurer, could give informatiou. H. N. SAXTON, JR.

PORTSMOUTH, VA., March 26, 1887. Editor Manufacturers' Record:

Wm. H. Stewart, I. L. Watson, Henry Kien, Adrian Riddick and T. J. Dunhan have applied for a charter for a street railroad in this city. If granted, we propose to commence work as soon as sufficient stock is WM. H. STEWART.

IRONTON, O., March 28, 1887. Editor Manufacturers' Record:

Arrangements have been completed for the removal of the plant of the Ironton Hoe & Tool Co. to South Pitsburg, Tenn. A company has been organized and incorporated under the name of the Sequachee Hoe & Tool Co., of South Pittsburg, Tenn. Its officers are J. R. Norton, president; J. P. W. Brown, vice-president, and Louis F. Eastman, secretary and treasurer. The product of the factory is to be a complete line of eye and handled planter's hoes, rakes, picks, mattocks and general railway and miner's supplies. The total output of finished tools will average 100 dozen per day. The latest improved ma-chinery for making handled goods will be added to the plant of the Ironton Hoe & Tool Co., and its present capacity much enlarged. The contracts have been let for the factory buildings at South Pittsburg, and it is expected the works will be in operation in 60 days.

J. R. NORTON.

ATLANTA, GA., March 25, 1887. Editor Manufacturers' Record:

Chas. J. Harben, Juno, Dawson county. Ga., has purchased a saw mill of Russell J. W. DUNN.

To Build a Street Railroad.

NASHVILLE, TENN., March 28, 1887. Editor Manufacturers' Record:

I am a stockholder in a street railroad which will be built within the next 60 days. The length of the road will be about two miles, and is to cost from \$12,000 to \$15,000.

COLUMBIA, TENN., March 28, 1887. Editor Manufacturers' Record:

We have made an addition to our machine shops, 60x30 feet. CRAIG & WILKINS.

CULPEPER, VA., March 29, 1887. Editor Manufacturers' Record :

We are having a railroad located to our quarries, and expect in the next 30 days to he at work on one of the largest and finest deposits of granite in the State.

MT. PONEY GRANITE CO.. A. W. HARMAN.

Developing Marble Quarries.

Loudon, Tenn., March 25, 1887. Editor Manufacturers' Record:

I have now opened two marble quarries, and intend opening two more during the season; am now working about 25 hands; will soon work a good many more.

A. CHANCE.

Rolling Mill and Furnaces to be Built

Rome, GA., March 22, 1887. Editor Manufacturers' Record:

A rolling mill and one or more furnaces will be erected; to begin in a few weeks, as the arrangements have been perfected to do that work, J. L. BASS, Sec. Rome Land, Iron & Improvement Co.

To Build Water Works.

DE LAND, FLA., March 21, 1887. r Manufacturers' Record:

We are endeavoring to get in a water sup-ply, and hope to succeed inside the present year. FRED. S. GOODRICH.

PARKEWOOD, MOORE COUNTY, N. C., }
March 26, 1887.

Editor Manufacturers' Record:

We have bought two go horse-power steel we have bought two go norse-power steel boilers, one 80 horse-power automatic engine—heavy saw mill. We will have by June a small fifty-barrel roller flour mill in operation for loc 1 trade, and while is a fair wheat country, we think our rofter mill will threbe the wheat crop in 3 years' time. We shall build a small roller mill, outfits up We shall build a small roller mill, outfits up to 2-barrel capacity, and are building our machine shops and foundry, and hope to be running by 15th of May to 1st of June. Our corn mill shops are 36 feet wide by 320 feet long, and have a good trade in these mills, based on the quality of grit—trade mark: "Moore County Grit." For cornmeal it beats the world.

NORTH CAROLINA MILLSTONE CO.

NASHVILLE, TENN., March 28, 1887. Editor Manufacturers' Record:

We contract to-day to build 8 miles rail-road for pleasure-travel and to develop 800 acres beautiful lands. Will build lake, parks, pleasure-grounds, casino, ball-grounds, and such other places as taste and conveni-ence dictate. Will open for travel by 1st to 15th June. Overland R. R. Co.

SANTA ANNA, TEXAS, March 24, 1887. Editor Manufacturers' Record:

We have already developed an excellent coal mine, and have secured another to develop. It is now for sale, and is simply awaiting the touch of the capitalist.

HARRISON COAL PROSPECTING CO.

Immense Steel Works for Baltimore.

The rumor referred to in our Construction Department last week, of projected large steel works near Baltimore, has taken definite shape, and that which bids fair to be one of the most extensive industrial enterprises in the country has already been inaugurated under most favorable auspices. Mr. J. Wesley Guest, cashier of the Citizens' National Bank, of Baltimore, and Mr. Jacob H. Taylor, a coal operator, have bought the once popular pleasure resort "Holly Grove," a few miles below this city, on the Patapsco, the Sparrow Point farm and other adjacent property, in all making about 1,200 acres, on which they propose, in conjunction with other capitalists of this and adjacent States, to erect extensive steel works. It is stated by Mr. Guest that the plant will be as complete as can be made with all known improved methods and machinery, so as to turn out steel rails, plate, filling all demands of commerce and steel ships of every dimension. When in full operation the works will afford employment to several thousand workmen. Civil engineers are already engaged in surveying the grounds, and the necessary improvements will be expeditiously made. Wharves,

piers, docks, will soon fringe the banks of the Patapsco, and dredges are now at work securing ample depth of water to permit the approach of large vessels. It has not been decided yet whether the capitalists engaged in the enterprise will incorporate under the laws of this State, or simply operate as a private company. Be this as it may, several millions of dollars will be invested. Some of those most largely interested in his great project have money in similar enterprises in Pennsylvania. The advantages of the location, situated on tidewater at this port and in direct communication by rail with all parts of the country, at once stamp it as most admirably situated. The owners of this steel plant will also construct a line of railway to connect with the lines of the Pennsylvania, Baltimore & Ohio and Western Maryland Railroads.

MINING MOTES.

By T. K. BRUNER, Raleigh, N. C.

THE RUDISILL MINE.

This property, consisting of 68 acres, is owned by the Rudisill Gold Mining Co., at Charlotte, N. C., and is under the care of Thos. C. Dunn, Esq, general manager, and Mr. Wm. Jenkins, mine superintendent. The mine contains a vast amount of low grade ore, which has hitherto been neglected in the search for the heavy, rich auriferous sulphurets. These richer ores were concentrated and shipped to various smelting establishments North, and it proved to be profitable means of conducting the work. Recently concentrating machinery has been introduced and the plant enlarged, so that the more abundant low grade material is now being treated, and, it is said, with profit.

The Rudisill is one of the most valuable properties in the South, and is credited with a production of gold exceeding a million of dollars in value. This has resulted from working only about one-tenth of the vein area; the other nine-tenths remain unexploited, but gives every evidence to the miner that it is as good as any part of the ground already worked. These facts warrant a more extended description of the mine.

The property is situated just beyond the limits of the city of Charlotte, and is in the Laurentian formation of the State. They have slate and granite walls, with quartz and biotite granite filling. The vein is a true fissure, and the prevailing form of the ore is quartz and ferruginous sulphide. The vein material is worth from \$5 to \$200 to the ton: the average to the whole mass may be safely estimated at \$10 to the ton. The vein is variable in width, running from five to fifty feet. The deepest shaft is 350 feet, in the bottom of which there is good ore. The probability is, as is generally the case in all true fissures, that good ore will be found far below the present means for mining. There are three other shafts besides the one alluded to above-one is 200 feet deep, another 150 feet, and the third 70 feet deep. There are drifts on the vein from all of these in varying lengths from 50 to 200 feet from the shafts. It is estimated that there are more than 10,000 tons of ore in sight, at an average value of \$10 to the ton.

The buildings consist of a mill-house, shaft-house, three dwellings, offices, &c., which are valued at \$2,500. consists of a complete plant of pumping, hoisting and reducing machinery, and it is valued at \$13,000. There are 35 hands employed in the present work. The prospects for the future of the property could hardly be better.

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STRELE MINE.

It is reported that a large force of hands are employed at this mine, in Montgomery county, and that their forty-stamp mill is going day and night. The output is placed at 1,800 pennyweights per week. This is not official information.

THE APPALACHIAN MINE.

Mr. McCoy, the superintendent of this mine (formerly known as the Coggins), is engaged in building a large and, it is said, expensive mill. The amount to be so expended is reported to be \$60,000. It is rather to be deplored, if true, since such a mill is unnecessary in the present state of the development of the mine. Ore can probably be mined fest enough to supply 40 stamps, but that numment of the mine. Ore can probably be mined fast enough to supply 40 stamps, but that number of stamps should not cost anything like the amount named. The property is a good one, and adequate machinery should be supplied, but no excesses should be in 'ulged if it is intended to be made a profitable

It is further reported that a new and rich "find" has been uncovered. This is quite probable; in fact, from the character of the ground, it be will more remarkable if rich pockets were not met with in the progress

THE WARKENS.

Office Manufacturers' Record, Baltimore, March 30, 1887.

The uncertainty as to freight rates after April 4th continues to operate against business, and there is a lull in some lines of trade on this account. With this exception, everything is favorable for continued prosperity throughout the country.

In the manufactured iron market there is comparatively little doing at present, but a larger volume of trade is anticipated for April. We quote as before, viz:

Ref. Bar Iron, I to oxys to I	m,	3.20(B)	2.50C
" " 1 to 41/4 x11/4 to 1	66	3.20@	2,500
" " 14 to 2, round and			
square	**	2.60@	3 C
Hoop Iron, 11/4 wide and upward	66	2.60@	3 C
Band Iron, from 11/4 to 6 in, wide	**	2.50@	2%c
Horseshoe Iron	44	3 @	314c
Norway Nail Rods	66	4%@	5%C
Black Diamond Cast Steel	88	814@	IO C
Machinery Steel	22	3 @	436C
Spring Steel	-88	3%@	4 6
Common Horse Nails	88	8 @	0 6
Railroad Spikes, 51/29-16	88	2 X G	3 C
Steel Boiler Plate	48	31/400	35%c
Iron Boiler Plate	+0	246	
Boiler Tubes		42 8 8 0	
	-	-	-

The pig iron market is unchanged, the demand being quiet, though consumption is going on as freely ever. We quote as before, viz:

Baltimore	Charcoal	Wheel	Iron	(all		
	e ore)					
Virginia C.						
Anthracite	No. 1			21	00@23	00
86	er 2					
44	** 3			27	00@19	00
68	Mottled a					
Old Rails	*********			23	50@24	50
Old Steel F						
No. 1 Wrot	ight Scrap			23	00@24	00
Old Car W	heels		*****	17	50@18	50

HARDWARE.

The trade of the past week has been characterized by no special features, values remaining the same, and the volume of business, as far as can be ascertained, showing no appreciable change. There is an effort being made to fix up the price of Strap and T. Hinges, which have been greatly demoralized recently on account of the withdrawal of one of the leading manufacturers from the association. In reference to the advance in axes noted in our last issue, we are advised that owing to the action of some of the manufacturers it is doubtful if there will be any advance, and it is thought to be more than likely a break in price will occur.

Nails are quoted at \$2.50@2.60, as before. The Standard Lighting Co., of Cleveland, Ohio, send us the following:

CHICAGO, March 21st, 1887.

At a special meeting of the Executive Committee of the Vapor Stove Manufacturers' Association of the United States, the following preamble and resolution was adopted:

WHEREAS, It has been brought to the knowledge of the Executive Committee of this association that certain manufacturers and jobbers have sold and billed vapor

stoves having the automatic lighting attachment affixed, without charging the additional 50 cents, as prescribed by the rules of the association, therefore

RESOLVED, That all manufacturers and jobbers are hereby notified that strict compliance with this resolution is demanded, under penalty of forfeiture of the license of the manufacturer, or rebate due the jobber, and such other penalties as the contract and obligations to the Consolidated Vapor Stove Company and the Association of Manufacturers may warrant.

(Signed.) John warrant.
John Ringen,
W. M. Lottridge,
J. S. Halteman,
F. L. Alcot.
Garson Myers,

Philadelphia Iron Market.

PHILADELPHIA, March 29, 1887.

The small buyers of iron and steel are purchasing very little, being imbued with the idea that a reaction in prices is probable. The large consumers of material, having fair supplies on hand, are quietly awaiting the developments of the next two weeks. Prices are likely to remain steady and firm, because of the heavy consumption going on, and because of the advances which have been made in labor, ore, coal and transportation. In fact, some furnace companies are complaining that their margins, taking all things into account, are no better now than when iron was much cheaper. There is very little new business being done in foreign material, but considerable supplies of foreign stuff came in last week, and large supplies are due here during the next 10 days. The muck bar mills are sold up, but business can be placed now at \$1 per ton less than a month ago. Refined iron is selling at 2.20 at mill, and common at 2 cents, with demand steady, rolls sold up, and a good demand in sight from large and small buyers. The nail makers are finding it a rather difficult matter to preserve strong prices, and it is probable that a more general restriction will probable that a more general restriction will be necessary than has as yet been attempted. The plate iron mills are seeking business at 2.30 to 2.40. The structural iron makers are not seeking business, but are booking orders for summer delivery on a 2.30 basis for angles, and 3.30 basis for beams and channels. The steel rail market is very quiet. The contracts now made call for about 1,600,000 tons, and we hear of contracts being placed for foreign rails, which is likely to be followed up by the placing of additional contracts for the Southwest. The entire iron situation is very strong in spite of the present dullness. The production and consumption keep up, and the laying of railroad track is being prosecuted with great vigor. The mileage so far this year of main track is about 625 miles, or nearly 3 times what it was a year ago. If everything goes right, several large engineering requirements will be placed in this market for structural iron, steel rails and plate. The general report throughout the State is that the month of April will be a very active one. be necessary than has as yet been attempted.

Cincinnati Iron Market Report

Specially reported by Rogers, Brown & Co., Pig Iron Commission. CINCINNATI, March 28, 1887.

A car-load business, with a sprinkling of 100 and 200-ton orders, has been the record of the week at Cincinnati. Dealers have not pushed sales, and, by general consent, transactions seem to have been dropped until freight rates can again be made. This situation naturally gives the appearance of weakness to the market, and leads some buyers to think that a decline in prices has set in By the large manufacturers and sellers of iron a little decline in prices would be received with satisfaction, as putting a decisive check upon importations and upon the unwonted activity in new furnace enterprises. It is believed that a satisfactory range of prices can be maintained for a long time with the present vast consumption if foreign iron can be kept out and new sou of supply not too greatly increased. All is still doubt and uncertainty as to freight charges after April 4th, and there will be no attempt to transact business on any scale until buyers and sellers know where they are. We make no change in quotations:

I	Ohio and	Southern	Strong	Coke					
ı		44	44		240.	B 1	88	00(0)91	50
ı		- "		**	No.	3 1	30	00@30	30
1	Ohio Soft	Stonecoa	d,					00(8)28	
1	Ohio Soft	Stonecoa	d.		No.	2 1	06	00@31	00
ł	Mahoning	g and Sh	enango	Valle	w Co	ke.		-	
١	No.					1			
Į	Hanging	Rock Ch							
1	- 41	41	es 2	No. 2.		1	13	00 824	50
ı	Tennesse	e & Alabi	ama Ch	arcoa	No.	X 1	12	00/8/83	00
ı	816	44		40				50@22	
1				PORGE					
1	Strong N	eutral Co	ke		****	\$	19	50@20	00
ı	Mottled	44 41					18	50 019	00
I	Cold Sho	rtnings	*****				18	50@19	00
1		CAR W							
1	Southern	Car. Wha	al Iron				-6	andhall.	00

CINCINNATI, March 28, 1887.

CINCINNATI, March 28, 1887.

While the market apparently has been a little weak for the past two or three weeks, and while some sales of small lots of pig iron have been made at a slightly reduced price, it is no positive indication of a continued decline. Furnaces are not inclined to push sales, as stocks will not warrant it. The purchases made in November, December and January are about used up, therefore, during April and May there will be considerable iron bought, and prices of December and January will, no doubt, be realized. We quote for cash on wharf or cars here: ring Rock Charcoal, No. 1

Hanging Rock Charlesin, No. 1	
m 1 m 1 m 1 m 1	22 50(023 50
Southern Charcoal, " 1	94 50@25 50
er er er 2	23 50(0)24 50
	. 23 50(023 00
	21 50(022 50
	20 00@21 00
. GREY PORGE.	
Virginia Neutral Coke	19 50@20 50
Cold Short	19 00@19 50
CAR WHEEL AND MALLEA	BLE.
Hanging Rock, strictly cold blast	27 00@28 00
Hanging Rock, strictly warm blast	23 00@26 00
"Cranberry," N. Carolina warm blast	
Amherst and Virginia warm blast	
Lake Superior Charcoal, all grades	26 00@27 00

Chicago Iron Market.

Specially reported by Rogers, Brown & Co. W. W. Backman, Resident Agent.

CHICAGO, March 28, 1887.

Quite an active trade in carload orders has be'n going forward during the week. Some be'n going forward during the week. Some of the smaller country buyers have thought it wise to lay in a moderate supply in view of probable changes in freights. No larger business, however, has been possible for the season that the furnaces would sell only on cars at their works, while buyers will only buy for delivered prices. The main elements in the situation remain unchanged. There is a very large consumption at all the foundries and mills, and a large production, but no accumulation at the furnaces. Buyers still look upon the market as in their favor, and do not seem to want to anticipate purand do not seem to want to anticipate pur-chases. We quote for cash f. o. b. Chicago: CORE AND STONE COAL FOUNDRY.

Ohio (Hanging Rock) Softeners No. 1.. 23 00@24 00

"Blackband" ".. 24 00@24 50

** Jac	kson county **	** 93	00(0)23	50
" Lak	kson county "" te ore and cinder "	** 22	00@33	50
Southern	Coke, No. s	93	50(0)23	00
	44 No. 216			
**	" No. 3			
	CHARCOAL FO			
Lake Sup	erior		50@24	50
Southern		23	50@34	50
Hanging	Rock	24	50@26	00
	CAR WHEEL AND	MALLEABLE.		
Lake Sup	erior	23	50@24	50
Standard	Southern	25	50@28	00
Hanging	Rock, cold blast	98	00@30	00
**	" warm blast	25	50@26	50
	. OLD MATER	IALS.		
Old Rail,	American	27	00@28	00
Old Whee	ds	93	50@23	50
	-			

Louisville Iron Market.

cially reported by W. B. BELKHAP & Co., Nails, ire. Iron. Hardware. Carriage and Wagon Louisville, Ky., March 28, 1887.

Bar Iron.—This holds fairly steady, al-though the range of sizes on which some concessions are offered is being gradually extended, and only such as are required in car and railroad construction seem positively

scarce.

Sheet Iron.—The heavier numbers are holding quite firm, and the concessions on light gauges are comparatively unimportant. Steel.—There is an extraordinarily good demand for the best grades of cast steel. The season being almost over for plow and agricultural steel, there is little doing in the way of new business on that.

Nails are salling freak in this wayket of

Nails are selling freely in this market at below the manufacturers' card; in fact, there is scarcely any time that the full card rate as published by the mills has been asked for

Wire.—The demand for wire still con-tinues good, both barbed and plain. The halt in the iron market, though, has not been

without its effect on barb wire, making sellers somewhat more anxious, but in nowise diminishing the demand for immediate use.

pecially reported by GEO, H. HULL & Co., Com-mission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., March 28, 1887.

Aside from numerous inquiries for small lots of softeners, the market has been quiet the past week. We anticipate no improvement in the demand until after the effect of the interstate commerce bill has developed itself. Buyers are determined to hold their orders until then. We report a good demand for old car wheels, and, in consequence of their scarcity, we anticipate a free purchase of high grades of wheel irons. We renew quotations:

			PIG	IRO	м.				
Southern	Coke,	No.	For						
**		**	9	98	0 0 9 5		20	500001	00
***	**	41	236	84			20	00/1/20	50
Hanging	Rock	Coke	, No.	ı F	ound	гу	91	00/6 21	50
Southern	Charc	coal, l	No. 1	For	indry		99	00(6.23	00
Silver Gr	ay, di	fferen	t gra	des.			90	00/6 20	60
Southern	Coke,	No.	z Mi	II, N	eutri	d	19	50 a 20	00
66	44	66	9 "		48	900	19	50/6/20	00
44	44	44	2 "	C	old S	hort.	10	00 1119	50
Southern	Charc	coal, 1	No. 1	Mil	1		90	50(8.21	00
White an	d Mot	tled,	diffe:	rent	grade	B.,	17	500218	50
Southern	Car V	heel	stan	dare	bras	ds	26	00/027	00
41	05		oth	er b	rands		94	00/2 25	00
Hanging	Rock	Cold	Blast				27	ge aloo	00
a -	**	Warn					*3	e0(d)a4	00

St. Louis Iron Market.

Specially reported by Rogens, Brown & Co., Gay Building, 204 N. 3rd street, St. Louis. W. H. Shields, Manager.

St. Louis, March 28, 1887.

ST. LOUIS, March 28, 1887.

The only business we can chronicle the past week is in the way of small orders which sellers are able to ship before April 4, deliveries beyond that time being practically cut off by freight uncertainties. Some of the roads have worked out their rates under the new law to a point where they can see about what the changes will be. Unofficially it is learned that the changes on pig iron will in most cases amount to only a moderate advance on current rates. Some moderate advance on current rates. Some cases, however, are mentioned in which the rates will be doubled. There is still very much uncertainty and discussion as to how the new law will work out in its operations as affecting the pig iron industry, and the disposition on all hands seems to be to sit down and wait until something more definite can be determined. Furnaces are having more than they can do to keep up with their old orders, and are now pressing their product, but some special lots have naturally shown we-kness under the suspension of business. We quote: derate advance on current rates.

business. We quote.
HOT-BLAST CHARCOAL.
Missouri
Southern 33 00@24 00
COKE AND COAL,
Southern No. 1
Southern No. 2 at 50@22 00
Ohio Softeners 25 00@25 00
MILL IRONS.
Missouri 21 00@21 50
Southern No. 1
Southern No. 2 50 00@20 50
CAR-WHEEL AND MALLEABLE IRON.
Southern 85 00@28 00
Lake Superior 25 00@27 00
MISCELLANEOUS.
Old Rails 27 00@28 00
Old Wheels 21 00(922 00
Connellsville Coke, (Frick's) 6 6 60

Chattanooga Iron Market.

Specially reported by Lows & Tucker, Brokers and Commission.

CHATTANOOGA, TENN., March 28, 1887.

CHATTANOGA, TENN., March 28, 1887.

Trade for the past week has been unusually brisk in all lines, and will continue to increase in volume as the spring advances. Merchants are having all they can do in every department; especially the hardware trade is extraordinarily active. The construction of new furnaces is being pushed with all the vigor possible, and some three or four new companies have recently been organized for the purpose of erecting new plants. The pig iron business is quiet. Prices, however, have not declined, but are maintaining a very firm position. The result of the interstate commerce bill has done much to demoralize trade, and most quotasult of the interstate commerce bill has done much to demoralize trade, and most quotations are made subject to such changes as may occur in the future, or else at the furnace. Upon the whole the speculative feeling in real estate is not so prominent as it was some three or four weeks ago, and a much more conservative feeling is being manifested.

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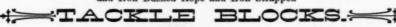


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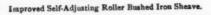
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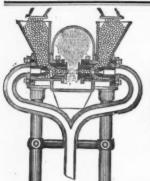
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Baltimore WHOLESALE Prices.	
Eagle and Vulcan	1
Eagle and Vulcan	SH
Conn. Valley Mtg. Co	CORREL
Ives	I
Patent Solid Headdis 25 \$ Russell Jennings' Auger, Dowell, Machine- Downland Hand Reil Ries dis 10 to	I
Ives' "Jennings" Bits	L
Expansive Bits, Ives dis 45 % Expansive Bits Blake's	I
Hollow Augers, Douglass' dis 25% dis 25% of Hol. Aug., Bonney's Adjust., \$\forall \text{dof} 48, dis 40 \$\forall \text{f}\$	F
Expansive Bits, Ives' dis 35 % Expansive Bits Blake's do and \$30, dis 45 % Expansive Bits Blake's do and \$30, dis 45 % Expansive Bits Blake's do and \$30, dis 45 % Hollow Augers, Ives' dis 25 % Hollow Augers, Douglass' dis 25 % Hol. Aug., Bonney's Adjust., \$3 dor \$48, dis 26 % Hol. Aug., Ves Expansive, each \$4.50, dis 26 % Hol. Aug., Ives' Expansive, each \$4.50, dis 26 % Wood's Universal Expansive, each \$4.50, dis 26 %	F
Hol. Aug., Universal Expansive, each \$1.50, cits so \$ Wood's	I
Double Cut Gimlet Bits, Shephardson'sdis 40 \$ Double Cut Gimlet Bits, Douglass'dis 50&10 \$ Double Cut Gimlet Bits, Ives'dis 50&10 \$	L
Morse's Bit Stock Drilldis 50 % L'Hommedieu's Ship Augersdis 15 % AWL HAPTS.	-
Sewing Brass Ferrule	BBB
Sewing Brass Ferrule	B
Awls, Brad Sets, &c. Awls, Sewing, Common	B
Awis, Patent Peg	H Si H
Brad Sets, Aiken's	н
Awis, Sewing, Common	B
Collins & Co	A
Single Bit, 4% to 6 and over	NNN
Double Bit, 4% to 6 and over	ANNNSSU
	UUU
Sheldon & Co., iron	UUG
Spring Balancesdis 50 \$	E. M H
Hand, Light Brass dis 75 % 10 5 Hand, White Metal dis 70 5 Hand, Silver Chime dis 13 6 % 10 Hand, Globe (Come's Patent dis 25 % 10 5	R
Gong, Abbe's dis 25&10 \$ Gong, Yankee dis 40 \$ Gong, Barton's dis 40 \$ Leon Reading dis 25&10\$ L	B.
Leon Reading dis 25&10&10 \$ Full, Brook's dis 35&10&10 \$ Crank, Taylor's dis 25&10 \$ Cra	R
Lever, Sargent's dis 55&ro \$ Bloomfield dis 20 \$ Lever, R. & E. M. Co's dis 20 \$	C.
Call dis 40 % Cow. Common Wrough dis 50 % of 5	H
Cow, Kentucky, Sargent's List	W
Lever, Sargent's. dis 55&10 5 Bloomfield dis 20 \$ Lever, R. & E. M. Co's dis 45&10&2 5 Call. dis 40 \$ Cow. Common Wrought. dis 55&10 \$ Cow. Western, Sargent's List. dis 70&10 \$ Cow. Kentucky, Sargent's List. dis 70&10 \$ Cow. Moore's or Dodge's, Genuine Ky., new list: Nos. 0 1 1½ 2 3 5 5 6 Hog dis 70&10 \$ \$12 \$10 \$0 \$5 \$7 \$4 \$3.50 \$5.50 \$5 Cow. Texas 'Star' dis 50&10 \$ BELLOWS.	Ca Ca Bu
Blacksmith's Common	Be
BLIND FASTENERS.	Ma
Francis	Hu Sai P.
Merriman's	Ge
Barbed, ¼ in. and larger In D oc net Barbed, ¼ in	Tr On Ga
Penfield Blocks	Jac
Cast Iron Barrel Shutter, &cdia 70 %	Re Blu
Cast Iron Chain (Sargent's list)dis 65& 10 % Wrought Barreidis 70 % Wrought Squaredis 70 % Wrt. Shutter, Brass Knob, Stanley's listdis 60& 10 % Wrt. Shutter, Brass Knob, Stanley's listdis 60& 10 % Wrought Shutter, Sargent's listdis 60& 10 % Wrought Shutter, Sargent's listdis 60& 10 % Wrought Shutter, Sargent's listdis 60& 10 % Wrought Shut Flush, Stanley'sdis 40& 10 % Wrought B. K. Flush, Stanley'sdis 40& 10 % Wrought B. K. Flush, Stanley'sdis 70& 10 % Carriage and Tire, Common, new listdis 70& 10 % Carriage Bolts, Clarke'sdis 70& 10 % Carriage Bolts, Clarke'sdis 70& 10 % Norwaydis 70& 10 % R. B. & W. Carriage (old list)dis 70 % Tire, American Screw Co's., Philadis 82 % Tire, "Bay State"dis 65& 10 %	Col
Wr. Shutter, Brass Knob, Stanley's 18t. dis 40&10 \$ Wrought Shutter, Sargent's 18t. dis 60&10 \$ Wrought Sunk Flush, Sargent'sdis 55&10 \$	Co
Wrought S. K. Flush, Stanley'sdis 50&10 \$ Wrought B. K. Flush, Stanley'sdis 50&10 \$ Carriage and Tire, Common, new listdis 70&10 \$	Soc
Carriage Bolts, Clarke's	Soc
Tire, American Screw Co's., Phila dis 82/4 x Tire, "Bay State" dis 65/k to 8 Eagit Philadelphia Tire Bolt dis 88 x Stove dis 67/4 x	Soc Soc Tar
Stove dis 6774	Tai
BORAX.	Iron Iron
BRACHS	Iron
Spoffand's Detent	Sup
Amidon'sdis 40 \$	Rac
Lawrence " 3.00 "3.50 net	Pia

	BALTIMORE MANUF	A
	Phillips, with Augers7.00 7.50net	ī
	Shelf, plain	
	New listdis 75%10 \$	- 1
	Union Nut Co	
	Wrought Brass	
	## Fast Joint, Narrow	
	Humason, Beckley & Co'sdis 55&5 % Sargent & Co's	
	Butcher's Cleavers. Humason & Beckley Mfg. Co	
	American. ■ # gross #3.50 New Idea	1 1 1 1
	CAPS, PERCUSSION, W 1,000. U. M. C., F. C. trimmed	1
	Hicks Ground Edge in Brass Boxes	
	Rim	1
	NEW LIST ON CARTEIDORS. Rim-fire, 22 short \$ 5 long \$ 6.00 " 32 " 10 " 15.50 " 35 " 18 " 15.00 " 41 " 15 " 17.50 Central Fire—32, \$11.00; 38, \$13.50; 41, 15.00; 44, \$19.	-
	" 41 " 15 " 17.50 Central Fire—32, \$11.00; 38, \$13.50; 41, 15.00; 44, \$19.	
	Horse and Curry,dis 20 ≤ Cotton, new 1ist, Aug, 1883dis 20 ≤ Wool, new list, Aug, 18#3dis 20 ≤	1
	Carpet Stretchers. Cast Steel, Polished	
	Bed	
	CATTLE LEADERS. Humason, Beckley & Co's	is si b
	CHAIN.	
	German Halter and coil Chain	8
4 may 9	White \$\Pi\$ gross 55c net Red \$\Pi\$ gross 75c net Blue \$\Pi\$ gross 96c net White Cravons \$\Pi\$ gross 13c net	
	COTTON LINES. Cotton Fish Lines	0000000
	ocket Framing, Crossmans. Socket Framing, Crossmans. Socket Framing & Firmer. Socket, Douglass. Socket, Douglass. Socket, One Tool Co. 75&5 75\$ Socket, One Tool Co. 75&5 75\$ Socket, Peck, Stone & Wilcox. 75&7 75\$ Socket, Orner. 75&7 75\$ Socket, Orner. 75&7 75\$ Socket, Orner. 75&8 75\$ So	0.5
	CLAMPS. CLAMPS. CLAMPS. CON, Screw, Kagle	Si
		T
	forway or Best	-
į	Racking, new list	



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GAINESVILLE, VA., Feb. 1, 1887. Have been working in saw mills for purely the send me a catalogue. W. A. William, 7, write: "The 64-in. gauge solid saw Make and ship us 12 gauge, same hand five years, but never found a saw equal to yours. Please send me a catalogue. W. A. Williams.

Wise & Nelson, Jonesboro, Ind., Feb. 1, 1887, write: "The 64-in. gauge solid saw is doing splendid work; inclosed find draft for same. Make and ship us 12 gauge, same hand as other, soon as possible.

B. R. Edwards, Jacksonville, Fla., writes: "Saw received. Has been running steadily and not made one bad line. Draft inclosed.

-The Above Cuts Show Our Champion Chisel-Tooth Saw. The Apove Cut's show our champion chiser 100th baw.

It has been thoroughly tested on steam and friction feed, in all kinds of timber, and we arantee to our patrons perfect eatisfaction in every respect. Each set of teeth will cut from 0.0.0 to 250,000 feet. We advertise only practical possibilities, and stand by what we say I guarantee that any saws bearing our trade mark [James Chlen & Sons) are equal, if no erior, to any others in every respect, and will give satisfaction to these using them.

Write for Catalogue and mention this paper.



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Wilson's dis 40% to #
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COOPERS TOOLS.
Bradley'sdis 15@20 \$
Rarton'sdis so «
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Cast Steel
Iron, Steel Points 1 13%c
CURLING IRONS, &C.
1/ 1/ 1/ in de la aca aca
16, 16, 16 in., \$1.80, 2.00, 2.50
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Fitch's new list
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White Enamel	.ne
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Association (Table)	.ne
Naugatuck Cutlery Colis	t ne
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Wilson's Butcher and Shoe Knivesdis	30 5
Ames' Shoe Knivesdis	20 5
Wm. Rogers Mfg. Co., Plated Cutlery	Ne
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MIN' Wolfers wife.	Co.,	T INTO	Cation		*******
	DOG	COLLA	RS.		
Embossed Gilt					.dis 30 %
Leather					.dis 40 %
Brass				******	. dis 40 %
	D00	R SPRII	NGS.		E
Torrey's Rod, res	zular	size		\$ do	a., \$1 30
Gem (Coil): List.	April	10. 188	6		dis 10 %
Standard-10 doz i	R1.25:	o doz \$	1.75	dis	608210 \$
8 doz	2,50;	6 doz \$	3.50	dis	606210 \$
Hercules				dis	508:10 \$

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		Di	RAV	V12	₹G	K	NI	VE	3							
Middlesex	Mfg.	Co											0 0	di	s 75	1
Crossman	's No.	1			:								.0	is 6	585	3
Nobles M	fg. Co											0 0		di	5 15	8
Bradley's														di	8 35	1
Adjustable	e Han	dle.												di	5 20	1
P. S. & W	/				0.0									di	5 75	%
Douglass .										9.0				di	8 73	8
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Breast, P.	S. &	W												.di	5 40	%
Brenct W	ilson's													. dis	\$ 30	8

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Breast, P. S. & Wdis 40 \$
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				. W doz \$2.50, dis	2 7
				gross, \$9	.00
				gross, \$10	.00
EME	RY	AND	EMERY	PAPER.	
nber				B D	60
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ENAMELED	AND	TINNED	WARE.	
Kettles			dis	50810 5
Sauce Pans			dis	300010 5
Tinned Sauce Pans			dis	300010
Escutcheon Pins-Bra	55			als 50

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and the second

40810 \$
dis 50 %
dis 25 %
60&10 %
.50 to £
.50 to £
dis 60 %
\$10&5 %
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60810 \$

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Comm 16-in \$2 so: 6. \$4.00: 8. \$6.50 ea	chdis as &

	Write for Catalogue
222	Crown Jewell
	# doz\$3.00 3.75 4.95 4.70 5.95 6.00 7.00 8.00 9.00
	GAUGES. Marking, Stanley's
	Nail and Spike
	GLUE POTS. Tinned and Enameled
	Sargent's Patentdis 70&10 \$ Reaqing Hardware Codis 33½ \$
	GUN WADS.
The second secon	Eley's B. E. wads, II upwards
	Maydole'sdis 25 \$
	Maydole's
	Hartford Hammer Co's New List— Hammers

Domestic Fluter	
Crown Hand Fluter, Nos. 1, \$15; 2, \$12.50; 3, \$10,50; 4, \$8.25 % dozdis 35 9	
Lawson & Breniser	
Sheble & Fisherdis 50&10 \$	1
Burnished list as follows	
GAUGES.	- 1
Marking, Chapin'sdis 60 \$\text{Wire} \text{dis to \$\text{Vire}\$}	1
Marking, Stanley's dis 60 \$ Marking, Chapin's dis 60 \$ Wire dis 70 \$ Wire, Disston's dis 20 \$ Wire, Wheeler, Madden & Co dis 10 \$	1
GIMI PTS	ı
Nail and Spikedis 50 ≸ "Eureka" Gimletsdis 40&10 ≸	
Double Cut, Shepardson'sdis 45 \$	1
Double Cut, Hartwell'sdis 50 % Double Cut, Ives	1
Nail and Spike	1
GLUE POTS.	1
Tinned and Enameled	1
GRINDSTONE FIXTURES.	
Sargent's Patentdis 70&10 \$ Reaging Hardware Codis 33½ \$	
COLOR MADE	
Eley's B. E. wads, 11 upwards. \$1.75 " " 9 and 10 2.00 " " 7 8 2.25 " P. E. " 11 upwards 2.90 " " 9 and 10 3.65 " " 7 " 8 445	
" P. E. " 11 upwards	
" " g and 10 3.65	1
HAMMERS,	1
Maydole'sdis 25 \$ Hartford Hammer Codis 40&10 \$	1
Maydole's	1
Kip's or Selsor'sdis 30 %	1
Hartford Hammer Co's New List— Hammersdis 40&10 \$	1
Mason and Spalling Hammers, &cdis 60&10 \$	4
Nos 0 1 9 3 4	1
Hartford Hammer Co's New List—	1
ap'd Store Door Handles-Nuts, \$1.62; Plate, 1.10	1
Barn Door % doz \$1.60, dis 10 \$	8
urface Chestdis 55&10 ≸	i
aw and Planedis 508:10 \$	•
ippincott Cross-Cut Saw	I
rad Awl	ł
uger, assorted, \$ gross, \$5,00dis 40 \$ uger, large, \$ gross, \$7.00dis 40 \$	-
atent Auger, Douglass' \$ set \$1.25 net	
atent Auger, Swan's set 1.00 net	1
White Mountain, per doz	4
" Finished in red, per doz\$23.00 HANGERS.	-
ronk Hanger Co	18
No. 4, per doz. pair	P
	S
Barn door stays\$3.00 per doz., 50&to \$ nti-Friction Barn Door Hanger, \$\overline{a}\text{ doz. pair, 8.50 net} ronk's Pat. Wire Cutter and Bender, \$\overline{a}\text{ to o.} \$\overline{a} doz. pair	C
A doz. pair	-
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'arner'sdis 20 \$ ichard'sdis 20 \$	AAA
idderdis so \$ aragondis. 4 to 40&10 \$	A
nith40 \$	
HATCHETS,	

HAMMOCK CHAIRS.	
White Mountain, per doz	£27.00
" Finished in red, per do	z\$23.00
HANGERS.	
Cronk Hanger Co	
No. 4, per doz. pair	2.00, 50&10 ≸
	8.00. solvio \$
Iron clad track cents per	foot, solven &
Barn door stays \$3.00 per	
Anti-Friction Barn Door Hanger, & doz.	
Cronk's Pat. Wire Cutter and Bender, 8	
% doz. pair	
Cronk's Pat. Wire Cutter and Bender, 10	in 1
A doz. pair	
Barn Door, old patterns	
Barn Door, New England	die foltre #
Climax (Anti-Friction)	
Warner's	
Richard's	
Ridder	
Paragondis. 4	
Smith	40 %
HATCHETS.	
Underhill's	40%x \$
Price Soild Steel	
31 ' 1' af	40 40

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and Strap. 14 to 36 in	A
for solid dooms, single action, dis 45 %; for solid doors, double action, dis 55 %.	
Crown Screen Door Latch gross \$12, dis 55 \$ Crown Christmas-Tree Holders, 2-inch, \$	CCE
doz \$9; 3-inch, \$12dis 50 \$ Bickford Portable rumpeach \$6, dis 20 \$	P
American Cake Mixer, No. 6each \$3.50, dis 20 \$ American Tobacco Cutter	Si
A. M. Co. Clothes Wringer, No. 2 rolls,	NC
10x1¾, % doz —; No. 2½ rolls, 12x1¾, \$48; No. 2 Japan \$41.00 doz.; No. 2 Galv. \$22.00 doz.; No. 2½ Galv.	A
\$33.00 dozdis so \$	C
Heavy Welded Hook \{ 8@12 in. \$7.50 \ 100 \ \) dis \\ \tag{4} in. & up, \$6 \ 100 \ \) 20 \(\)	N
Grew Hook and Eye \$\frac{\psi}{4} \text{ in\$\psi_3.80}{\psi_4 \text{ in}\psi_2.45} \text{ dis }\frac{\psi_4 \text{ in}\psi_2.45}{\psi_6 \text{ in}\psi_1.50}	B
Wrought Stram & T list, Dec. 20, '77dis 65&c&25 standar' Spring Hinges, single and double action, dis. 60&10 \$.	R M D
HOES.	Ď
Planters	P
rubdis 60 \$	0

	HORSE NAILS.
r	Ausable: Nos. 5 6 7 8 9 20
3	Plain, \$ 10 31c 28c 26c 25c 24c 23c dis 20&10 \$
	Finish'd # D. arc asc asc asc asc dis and to d
£	Clint'n, P'n, " 23C 21C 20C 10C 18c dis 208 10-
	Clint'n, Fin'd " 24c 22c 21c 20c 19cdis 20&10 \$
1	Essex, & D 31C 28C 26C 25C 24C 23C. dis 20 \$
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	IN this is 30C 35C 33C 39C 31C 30C.dig 10R10 \$
	Champiain
	Forged # b 31c a8c a6c a5c a4c a3c.dis 30&10 \$
	A. C., \$ 10 28 25 23 22 21 21.dis 10,1085 \$
ı	C. B. } 28c 25c 23c 22c 21c 21cdis 1685 \$
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1	HORSE SHORS,
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- 4	Light, Medium and Heavy \$4.10 \$ keg
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ICE CREAM PREEZE	RS.	Disston's
Peerless—3 quart, \$4.50; 4 quart, \$6 quart, \$9; 10 quart, \$78. Giai —14 quart, \$50; 18 quart, \$52. quart, \$35; 39 quart, \$40; 40 quai 50&10 \$.	\$5.50; 6 quart, \$7; nt, with fly wheel,	Disston's dis Stanley R. & L. Co.'s Pat. Adjustable.dis 65&ro6 Stanley R. & L. Co.'s Non-Adjustable.dis 65&ro6 Chapin's Patent Adjustable dis 65&ro6 Chapin's Non-adjustable dis 65&ro6 Standard Rule Co.'s Now Adjustable dis 65&ro6 Standard Rule Co.'s Now Adjustable dis 65& Standard Rule Co.'s Non-Adjustable dis 65& Pocket Lawals dis 65& Standard Rule Co.'s Non-Adjustable dis 65&ro6 Chapin's Non-Adjustable dis
quart, \$35; 30 quart, \$40; 42 quar	rt, \$45. Discount,	Chapin's Patent Adjustabledis 65&108 Chapin's Non-adjustabledis 65&108
American a done, b./2, 3 dos	die and	Standard Rule Co.'s Non- Adjustabledis 658
Crown, single action, a quart, \$3.73 \$4.50; 4 quart, \$5.50; 6 quart, \$7	; 3 quart, ; 8 quart,	Sliding Door, Wrought Brass B. b. 35C. dis
Crown, double action, with crani	k, 8 quart, \$16.50: 18	Sliding Door, Wrought Brass
4 quart, \$3,75; 0 quart, \$3,75; \$4,50; 4 quart, \$5,50; 6 quart, \$5,50; 6 quart, \$7,50; 50 quart, \$7,50; 10 quart, \$7,50; 14 q	fly wheel, part, \$20;	Per 100 feet . \$2.50 3.00 4.40-dis B. D. for N. E. Hangers-
to quart, pay, of quart, pay,	die for &	Small, Med, La
\$37. \$127, double action, a quart, \$3.75 \$4.50; 4 quart, \$5.50; 5 quart, \$3.95 \$9; 10 quart, \$1; 14 quart, \$4.4. Gem, double action, a quart, \$3.75 \$4.50; 4 quart, \$5.50; 6 quart, \$ \$5; 10 quart, \$1; 14 quart, \$4.4.	; 8 quart, dis 60 ≸	Iron and Tinned, new tist, Oct. 1, 1886dis In bulk, new list, Dec. 10, 1881dis
Gem, double action, a quart, \$3.75 \$4.50; 4 quart, \$5.50; 6 quart, \$; 3 quart, 7; 8 quart	Copper Rivets and Burrsdis cod
Cloan tee curbber	doz \$7.50, dis 35 \$	Copper Rivets and Burrs
Carriage, (Jap'd 80 c % gross)	dis 60&10 \$	Stair, Brassdis
Base—Common	ow list, dis nelle e	RULES.
Door Mineral Door Por. Jap'd Door Por. Plated. Door Por	ts as Door Locks.	Chapin's
Furniture, Wood Screws	dis 25 5	Chapin's
Picture Hemacite, Picture Shutter, Porcelain	dis 6>&xo \$	SAD IRONS.
Melting & Skim'ng, Monroe's Pat.		Self-Heating, Charcoal
Melting, C& C	··· qis sogrto «.	Enterprise Star Irons, new list, July 20, '82dis Comb'd Fluter and Sad Iron & doz \$15.00, dis Common Sad Irons
Owl Tubular, \$\mathbb{q}\ doz	\$6 50 net	Baeder & Adamson's Flint, 00@1%\$4,50 % r'm Baeder & Adamson's Flint, 0.0% r. co. % r'm
Acme Buckeye, Easy & Excelsior, no LINES.		Baeder & Adamson's Flint, 2, 2½ & 3, 3.00 \$ r'm Baeder & Adamson's Flint, Assort'd 4.75 \$ r'm Baeder & Adamson's Star 3,75 \$ r'm Paeder & Adamson's Emery \$ r'm \$6.50@11.50
Linen Fish Wire Clothes, Galvanized, 200 feet.		
Cabinet, Eagle	made in list price	Clancy's No. 200, per gross
Cabinet, Bridgeport 2831, d	is 95&2 \$	\$7.30 % g
Cabinet, P. & F. Corbin Trunk, new list, Jan 1, 1881 Yale Lock Co., Flat Key	dis 15&2 \$	Patent
Plate		Common
Norwich List	prices as revised	Silver Lake Cable Laid, Bengall Unblea Hemp, 17 cts. dis Russian Hemp, 19 cts. dis Italian Hemp, 34 cts. dis
Norwich	:. 18th, 45&5&2 ≸ for cash.	Italian Hemp, 34 ctsdis Samson Braided, white cottondis
P. & F. Corbin. Russell & Erwin. Mallory, Wheeler & Co Nimuck & Brittan Mfg. Co Padlocks—Russell & Erwin. Mallory, Wheeler & Co Norwich Lock Manf. Co Wm. Wilcox & Co Vimick & Brittan Mfg. Co Wm. Wilcox & Co's Plate Locks. Yale Lock Manf. Co's "Standard". Romer's Conestoga)	" drab cottondis
Mallory, Wheeler & Co Norwich Lock Manf. Co	dis 75 %	Solid Eyes, in 500-D. lots and over, \$ D. 140 SAUSAGE STUPPERS OF FILLERS. Miles
Nimick & Brittan Mfg. Co	die aak Ba	Miles & doz. £20, dis 25. Parry & doz., No. 25. No. 0, £21dis Enterprise Mfg. Co
Yale Lock Manf. Co's "Standard". Romer's	dis 40 \$	Monarch
Conestoga	dis solvro s	I Doveton's Circular and Millians and Alliance of the Circular and Millians and Circular and Millians and Circular and Cir
Penfield Block Co., Apple, Hickory		Boynton's Ice
Ripley Mfg. Co	dis 30 %	Disston's Cross Cutdis Disston's Hand, Panel, Rip, &cdis
American \$5.00 \$7.00 \$10.00	A 4	Disston's Cross Cutdis Disston's Hand, Panel, Rip, &cdis Hubbard, Bakewell & Co. Circular Sawsdis 40 Hubbard, Bakewell & Co., One-Man's, X Cut
## ## ## ## ## ## ## ## ## ## ## ## ##	#12.00 #25.00 dis 30 ≸	
Perry's, Nos. 1 8 3 4 4 gr'	0 \$30-dis 40 \$ d 5gr'd	Hubbard, Bakewell & Co., Mill Sawsdls 40 Peace Circular and Milldis Peace Hand, Panel and Ripdis Peace Cross Cutsdis
Woodruff's (P. S. & W.) Nos.	30 dis 100 150 \$15 18-dis 40 \$	Webster Cross Cut, with handles % ft.
Hales'	3 35 45-dis 70&5 %	Griffin's Hack Saws and Bladesdis
Kieser's Gem	\$40 \$4 doz dis 40 \$ \$25 \$6 doz dis 40 \$	Atkins' Circular dis Atkins' Circular dis Atkins' Silver Steel Diamond X Cuts \$\mathbb{n}\$ ft. Atkins' Concave Tooth Dexter X Cuts \$\mathbb{n}\$ ft. Atkins' Tuttle and Electric Tooth X Cuts \$\mathbb{n}\$ ft. Atkins' Tuttle and Electric Tooth X Cuts \$\mathbb{n}\$ ft. Atkins' Tuttle and Electric Tooth X Cuts \$\mathbb{n}\$ ft.
Kieser's Monarch Beef Shaver, (Enterprise Manf. Co.	45 % doz dis 40 %)dis 20&10 %	Atkins' Special Steel Diamond X Cuts ft. Atkins' Tuttle and Electric Tooth X Cuts ft.
Stebbins Patterns	dis softro #	Atkins' Hollow Back X Cuts
Stebbing Tipped Ends	dis 00%&10 %	White & doz \$1.05, dis
Chase's Hard Metal. Self-Measuring, (Enterprise) Lincoln's Pattern.	dis 66%&20 \$	Saw Rods
Weed's Boss Nos. I B	dis 20 ≸	Stillman's Genuine A doz \$5.00 and \$7.75, dis Stillman's Imitation doz \$3.25, dis
Boss Nos. 1 8 Boss, Japanned Finish. 8 98., Bronze Finish Perfection 3/4 2 13/4 \$9.50 \$12.00 \$14.00 \$16.50 \$	dis 60&10&10 \$	Leach's
\$9.50 \$12.00 \$14.00 \$16.50 \$	20.00 \$24.00—50%	Stillman's Geniuse
NUTS AND WASHERS	6 % % I	Morrill's
Square Nuts 94 7 54 4 Hexagon Nuts 194 124 94 7 Washers 84 74 5 4	4 4 3 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Atkins' Adjustable
Zinc and Tin	dis 60&10 \$	Atkins' Excelsior
Malleable (Hammer's)	dis 50&10 \$	
Per dozenPinking Irons.		Hatch, Counter, No. 171
Astor Plaiting Machine	each fire dis an #	Forseth Scale Go
Crown Plaiting Machines		Howe's dis 20& Chatillon's Grocers' dis 40& Chatillon's Eureka dis
Meriden Malleable Iron Co., iron pla Bench, First Quality	die so d	Family Universal dis Family Favorite dis 30% Family Turbbull's dis 30% Scale Beams, List of Jan. 19, 188s dis dis 40%
Bench, Second Quality Molding. Bailey's (Stanley R. & L. Co.) New 1879	dis 50 \$	Scale Beams, List of Jan. 12, 1882dis 308:
The Stanley (S. R. & L. Co.) new lis	it.	Adjust, Box Scraper (S. R. & L.Co.) \$6.50, dis no&:
January 1879. Bailey s Plane Irons, Butcher's	die noten e	Box, 1 Handle dos \$4, dis Box, 2 Handle dos \$6, dis Foot dis 45&.
Plane Iron Ohio Tool Co	dis 20 %	Ship, common
Middlesex Mfg. Co., single and cut	dis 20 %	Disston'sdis Cowles Mfo Co
Middlesex Mig. Co., double PLIERS AND NIPPERS. Button's Patent		Stanley Rule & Level Co. var. Hdlsdis (Stanley Rule & Level Co. Black Hdlsdis g Ratchetdis 33
Button's Patent Hall's Pat. Compound Lever Cutting No. 2, 5 in. \$13.50; No. 4, 7 in., \$21	1 № d0xso/cro ≪ 1	Ratchetdis 33 Clark's Patentdis 5 Shepardsondis a
Gas Pliers. Acme Combined Plier and Wire Cu \$10: 6-inch, \$12: 8-inch, \$15: 10-in		Bonney's B doz \$10, dis 5
Acme Cutting Nipper, 12-inch, \$2.25 20-inch, \$1.75; 8-inch, \$2.50; 6-inch,	; rī-inch, fa; \$1.25 each40 \$	Bonney's
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	PLUMBS AND LEVELS.
	Disston's dis 45 % Saniey R. & L. Co.'s Pat. Adjustable.dis 65&10&10 % Stanley R. & L. Co.'s Non-Adjustable.dis 65&10&10 % Chapin's Patent Adjustable. dis 65&10&10 % Chapin's Non-adjustable. dis 65&10&10 % Standard Rule Co. s New Adjustable. dis 65&10 % Standard Rule Co.'s Non-Adjustable.
	Stanley R. & L. Co.'s Pat. Adjustable.dis 65&10&10 \$
5	Chanin's Patent Adjustable dis 658 108 10 \$
3	Chapin's Non-adjustabledis 65&10&10 \$
	Standard Rule Co. s New Adjustabledis 65&10 \$
•	Standard Rule Co.'s Non- Adjustabledis 65&10 \$ Pocket Levelsdis 65&20 \$
	Sliding Door, Wrought Brass \$ D. 35c. dis 20 \$
	Sliding Door, Bronsed Wrt. Iron ft. 19C. dib 35 \$
	Barn Doorinch
	Sliding Door, Wrought Brass 10. 35 c. dis 20 s. Sliding Door, Bronzed Wrt. Iron 16. 12c. dis 35 s. Sliding Door, Iron, Painted 16. 4c. dis 20 s. Sliding Door, Iron, Painted 16. 4c. dis 20 s. Sliding Door, Iron,
	B. D. for N. E. Hangers-Small, Med, Large.
	Per 100 feet
	RIVETS.
•	Iron and Tinned, new tist, Oct. 1, 1886dis 55 %
	Copper Rivets and Burrsdis cok 10 \$
6	Nos. 7 8 9 10 11 18 13 14 15
ī	In bulk, new list, Dec. 10, 1881
	RODS.
	Stair, Brassdis as &
,	Stair, Black Walnut
	Boxwood, Ivory.
	Chapin's
	Standard dis 80 % dis 50&10 %
	Stevens & Codis Sof. Ivorydis so f
	Stevens & Co. Miscellaneousdis 50&10 \$
	SAD INCOME
	Self-Heating, Charcoal
	Enterprise Star Irons, new list, July 20, '82dis 35
-	Comb'd Fluter and Sad Iron B doz \$15.00, dis 15 \$
1	Common Sau From Trans.
t	Baeder & Adamson's Flint, co@1%\$4,50 \$ r'm.]
	Baeder & Adamson's Flint, 2, 2%&3. 5.00 # r'm.
١	Baeder & Adamson's Star
	Baeder & Adamson's Flint, 00@1½\$4,50 \ r'm. Baeder & Adamson's Flint, 2,2½&3,-5.00 \ r'm. Baeder & Adamson's Flint, 8,50 \ r'm. Baeder & Adamson's Flint, 4,850 \ r'd. Baeder & Adamson's Star. 3.75 \ \ r'm. Sasar & Sas
)	Clancy's No. 200 per gross die auf
	Clancy's No. 200, per gross
	Automatic Double-Action Sash Lock and Holder,
	SASH CORD. \$7.30 % gross.
	Common P D, 14c. net
	Patent
	Silver Braided Lake Hemp
	Silver Braided Lake Drab Cotton, & D. 55c. dis 10 \$
1	Silver Lake Cable Laid, Bengall Unbleached
	Russian Hemp, to cts
	Italian Hemp, 34 cts dis 10 \$
	Common B. 14c. net Patent Braided Lake Hemp. B. 17c@18c. net Silver Braided Lake White Cotton, B. 5, 5cc. dis 10 % Silver Braided Lake White Cotton, B. 5, 5cc. dis 10 % Silver Braided Lake Drab Cotton, B. 5, 5cc. dis 10 % Silver Lake Cable Laid, Bengall Unbleached Hemp, 17 cts. dis 10 % Russian Hemp, 19 cts. dis 10 % Italian Hemp, 14 cts. dis 20 % Samson Braided, white cotton. dis 30 % "" The control of the cotton dis 20 % "" The cotton dis 30 %
	" drab cottondis 30 \$
	Solid Eyes, in 500-D. lots and over, \$ D. 11/c. net SAUSAGE STUPPERS OR FILLERS.
	SAUSAGE STUPPERS OR PILLERS.
	Miles
	Enterprise Mig. Codis 30 %
	Monarchdis 40 %
	SAWS. Boynton's Lightning Cross Cuts, new list33c. net

Monarchdis 40 %
SAWS.
Boynton's Lightning Cross Cuts, new list 33c. net
Boynton's Circular and Mill dis 40 \$
Boynton's Ice dis 25 \$
Boynton's Lightning Hand, Panel and Rip dis 25 \$
Disston's Circulardis 40 %
Disston's Milldis 40 \$
Disston's Cross Cutdis 40 \$
Disston's Hand, Panel, Rip, &cdis so \$
Hubbard, Bakewell & Co. Circular Sawsdis 40&5 \$
Hubbard, Bakewell & Co. Cross Cut3oc. ft.
Hubbard, Bakewell & Co., One-Man's, X Cut
dis 40&5 ≸
Hubbard, Bakewell & Co., Mill Sawsdis 40&5 \$
Peace Circular and Milldis 40 %
Peace Hand, Panel and Ripdis 25 \$
Peace Cross Cutsdis 35 %
Peace Band Saws, all widthsdis 10 \$
Webster Cross Cut, with handles,
Griffin's Hack Saws and Bladesdis 30 \$
F. W. Swett's Band Saw Bladesdis 20 \$
Atkins' Circulardis 50 \$
Atkins' Silver Steel Diamond X Cuts # ft. 75c.
Atkins' Concave Tooth Dexter X Cuts 1 ft. 55c.
Atkins' Special Steel Diamond X Cuts # ft. 32c.
Atkins' Tuttle and Electric Tooth X Cuts ft. 30c. Atkins' Hollow Back X Cuts ft. 21@22c.
Atkins Hollow Back A Cuts
Atkins' Shingle, Mulay, Drag, &c dis 45 \$ Dramond Hack Saw
SAW PRAMES.

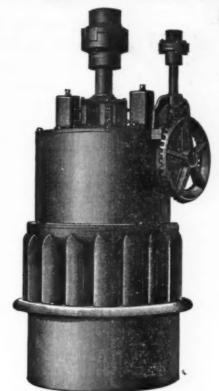
SAW PRAMES.
White ₩ doz \$1.05, dis 10 \$
Saw Rods \$10 list, dis 10&10 \$
SAW SETS.
Stillman's Genuine \$ doz \$5.00 and \$7.75, dis 40 \$
Stillman's Imitation & doz \$3.25, dis 40 \$
Common Lever A doz \$2.00, dis 40 \$
Leach's
Hammer, Hotchkiss \$5.50, dis 10 \$
Aiken's Genuine \$13.00, dis 50&10 \$
Aiken's Imitation
Niken & Imitation
Disston's dis so \$
Morrill's
Atkins' Adjustable 8 doz \$6.00
Atkins' Criterion
Atkins' Criterion for Hand Saws # doz \$7.50
SAW TOOLS.
Atkins' Excelsior & doz sets \$6,00
Atkins' Perfection B doz sets \$15 00
SCALES.

Atkins Adjustable doz 20.00
Atkins' Criterion doz \$7.50
Atkins' Criterion for Hand Saws & doz \$7.50
SAW TOOLS.
Atkins' Excelsior Adoz sets \$6,00
Atkins' Perfection B doz sets \$15 00
SCALES.
Hatch, Counter, No. 171 \$ doz \$42, dis 331/4 \$
11atch, Counter, 110. 171 a doz p42, dis 3375 3
Hatch, Tea, No. 161 doz \$15.00, dis 331/4 \$
Union Platform, Keystone \$6, dis 45 9.
Chicago and the state of the st
Chicago Scale CoSpecial dis
Fairbanks' dis 20 %
Forsyth Scale Godis 45 \$
Transfer Control of the Control of t
Howe'sdis 20&10 €
Chatillon's Grocers'dis ,0&10 \$
Chatillon's Eurekadis 25 \$
Family Universaldis 50 \$
The state of the s
Family Favoritedis 30&10 f
Family Turnbull'sdis 30&10 \$
Scale Beams, List of Jan. 19, 1889dis 60 f
SCRAPERS.
Adjust. Box Scraper (S. R. & L Co.) \$6.50, dis 20&20 \$
77-11-12-11-12-11-11-11-11-11-11-11-11-11-

Adjust. Box Scraper (S. R. & L Co.) \$6.50, dis 20&20 %
Box, z Handle B doz \$4, dis zo \$
Box, 2 Handle doz \$6, dis 10 \$
Footdis 45&10 \$
Ship, common dor \$3.50, net
SCREW DRIVERS.
Douglas Mfg. Codis so&ro \$
Disston'sdis 45 \$
Cowles Mfo. Co dis softrolles of

Cowles Mfg. Co.				dia ani	tralten	4
Stanley Rule & L	evel	Cos.	Var. H	dls	dis 60	9
Stanley Rule & L	evel	Co.'s	Black I	Idls	.dis so	5
Ratchet		*****	******		lis 33%	Ä
Clark's Patent			**** ***	*******	.dis 25	8
Shepardson			******	*******	.dis 25	Ħ
	SPOR	E TR	IMMERS			
Bonney's,		*****	1	doz tro	dis so	ť

THE "MERCUL



A good Water Wheel increases the value of your whole plant.

Get the best at first and avoid the expense and delay of changing wheels.

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SEND FOR CATALOGUE No. 3.

HOLYOKE MACHINE CO., WORCESTER, MASS.

Wheels Now in Use in Holyoke, February 1st, 1885.

Name of Wheel.	Number.	Horse-Power Furnished.
Hercules	53	10,576
Boyden		5,398
American		825
Tyler	10	311
Hunt, Waite & Flint	7	375
Rifdon	6	440
Jonval	4	655
Swain	1	160
New American	1	65
Aousten	1	75
Victor	2	150
Total	188	19.030
		10,000

EAGLE & PHENIX MANUFACTURING CO.,

COLUMBUS, GA., Feb. 25, 1885.

COLUMBUS, GA., Feb. 25, 1885.

HOLYOKE MACHINE Co., STEPHEN HOLMAN, Treas.:

Dear Sirs—Within the past four years I have ordered four "Hercules" wheels, all of which have given the purchasers entire satisfaction. Three of the wheels are on regular duty in the Eagle & Phenix Mills. The first wheel ordered did so well that a "Hercules" wheel has been added each time a new wheel was wanted. In Eagle & Phenix Mills I supervise twenty water wheels of six different styles. The "Hercules" is by far the most durable and best made wheel in use here, and, in fact, I know of no wheel its equal, mechanically. It is all that can can be desired in economy of water. In fact, it is a strictly first-class wheel in every way, and the wheel to buy, use and depend upon. Yours truly, JOHN HILL.

CONNECTICUT RIVER PULP MILL.,

HOLYOKE MACHINE Co.: HOLYOKE MASS., November 24, 1884.

We are now using 22 "Hercules" wheels, under heads from 12 to 40 feet, and they have always given satisfaction. We have used a variety of Turbines, but where economy in the use of water is required nothing equals the "Hercules." In every respect they are first class.

D. H. & J. C. NEWTON.

GEORGE R. DICKINSON PAPER CO.,

HOLYOKE MACHINE Co.: Holyoke, Mass., December 17, 1884.

Gentlemen—We started our mill with three "Hercules" wheels. We raise the gates Monday morning and close them Saturday night. They have never cost us a cent for repairs nor caused us a moment's delay. We want nothing better. Yours very truly. GFORGE R. DICKINSON, Treas, nothing better.

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Ai Gi Ri Li Hi

Co



The VICTOR TURBIN

Possesses more than Double the Capacity of other Water Wheels of si 18.06 17.96 30.17 36.35 49.00 174-in., same diameter, and has produced the Best Results on Record, as shown 18,21 17.90 in the Following Tests at Holyoke Testing Flume:

WITH PROPORTIONATELY HIGH EFFICIENCY AT PART-GATE.

Such results, together with its nicely-working gate, and simple, strong and durable construction, should favorably recommend it to the attention of ALL discriminating purchasers. These wheels are of very Superior Workmanship and Finish, and of the Best Material. We also continue to manufacture and sell at very low prices the

ECLIPSE DOUBLE TURBINE.-

STILWELL & BIERCE MFG. COMPANY

DAYTON, OHIO, U.S.A.

SILVER PLATED WARE.	TACKS, BRADS, 4C.
Wm Rogers Manf Co. dis rolling	
Wallace's Steel Silver Plated dis 23/8 29	Steel Carpet Tacks, all kinds
Holmes, Booth & Hayden dis soktoke Wallace's Steel Silver Plated dis 33/6/2:0 Rogers Bros 1847 dis 30/8/2: C. Rogers & Bro dis 50/2:	Swedes Iron Tacks
C. Rogers & Prodis socio	Swedes Iron Upholsterers' Tacks
Standard new list, Feb. 15.	Marcican Iron Carpet Tacks, all kinds
Flat Head Bright	Gimp and Lace Tacks
Round Head Bright 70 5	Tinned Gimp and Lace Tacks
Flat Head Brass	Copper Finishing and Trunk Nails50
Flat Head Blued (add 5 # to met)	Finishing Nails
Brass and Silver Capped	Trunk and Clout Nails
Japanned Flat Head	
Coach, Common or Lag dis 70 \$	Zinc t-laciers' Points
Beddis 25 5 Machine, Flat Head, Irondis 55 5	
Machine, Fiat Head, Iron dis 55 8 Machine, Round Head, Iron dis 50 8 Bench, Iron dis 58 8 10 8 Bench, Wood, Beach dis 20 8 20 5 Bench, Wood, Hickory dis 20 8 20 8 Hand, Wood dis 28 8 10 8 Hand Rail, Humason, Beckley & Co.'s dis 40 8 10 8 Hand Rail, Humason, Beckley & Co.'s dis 40 8 10 8 Hand Rail, Am Screw Co. list 10 11 18 18 18 18 18 18 18 18 18 18 18 18	Tinned Capped Trunk Nails
Bench, Wood, Beach	Looking Glass Tacks
Hand, Wooddis 25&10 \$	Picture Frame Points 40 % Leathered Carpet Tacks 40 % Brush Tacks 40 %
Hand Rail, Sargent's	TAP BORERS.
Hand Rail, Am. Screw Co., list Jan. 1, '81dis 70 x Jack (Wilson's)dis 25 x	Common and Ringdis 20 \$
SCREW SPANIS AND BITTIES	Ives' Tap Borersdis 15&10 \$
Standard Window Screens No. 1, 4 doz \$4; 2, \$5	Enterprise Mig. Codis 25 %
Standard Window Screens No. 1, % doz \$4; 2, \$5 "Door "No. 5, \$15; dis 508 to \$5 "Window Corner Irons, No. 3, dox. st's, \$2 "Door "No. 6, "" "No. 6, "" "" "" "" "" "" "" "" "" "" "" "" ""	TOBACCO CUTTERS. Enterprise Mfg. Co (Champion)dis 20&10 \$
" Door " No. 6, " \$3	Wood Bottom
" Door Latches, M dozen, \$3.60dis 50 %	Vilson'sdis to \$
Porter's Patent Window and Door Screen Frames; PER DOZ. SETS.	THERMOMETERS.
In Im. Bi'k White. Walnut.	Fin Casedis 75%10 \$
No. 20. \$3.95 \\ No. 31. \$2.35 \\ No. 32. \$5.50 \\ No. 33. \$6.00 \\ No. 33. \$6.00 \\ No. 33. \$6.00 \\ No. 33. \$6.00 \\ No. 34. \$6.00 \\ No. 35. \$6.00 \\ No. 35	
No. 22	TOE CALKS.
No. 30	Winsted № 1b 9c. dis 5 ≸
	TRAPS.
No. 2. Corners and Sticks complete for a three-foot window, \$\pi\$ doz sets	Game, Newhouse
No. z. Set for Window, & doz sets Bronzed,	Game, Blake's Patentdis 4000 10 %
\$2.40; Nickel, \$5.62 No. 114. " " dox sets, Bronzed, \$3.25; Nickel, \$7.50	Mouse, Round Wire & doz \$1.50, dis 10 \$
No. 4. " We doz sets, Bronzed	Mouse Cage, Wire
No. 16. " " or door, % doz sets, "	Cyclon Mouse A doz 60 cts.
Bronzed, \$1.20; Nickel, \$3.00	Boss & doz \$9.50
No. 41. " or Door, & doz sets, Bronzed, \$2.00; Nickel, \$4.00	Rat, "Decoy"
No. 4. " \$\frac{1}{2}\text{doz} \text{sts}, \text{Bronzed}, \text{gl.co.} \text{Nickel}, \text{gl.co.} \text{No. 4\text{2}} \text{Bronzed}, \text{gl.co.} \text{Nickel}, \text{gl.co.} \text{No. 2\text{4}} \text{Bronzed}, \text{gl.co.} \text{Nickel}, \text{gl.co.} \text{No. 2\text{4}} \text{Bronzed}, \text{gl.co.} \text{Nickel}, \text{gl.co.} \text{Door, \text{\$\text{gl.co.}\$} \text{Nickel}, \text{gl.co.} \text{No. 2\text{4}} \text{Vo. 2} \text{" \$\text{gl.co.}\$ \text{doz. sets. Bronzed}.	Game, Blake's Patent. dis 40820 5 Mouse, Wood, Choker. & dor holes, 16c Mouse, Round Wire. \$\\ \frac{1}{2}\text{dor}\ \ \frac{1}{2}\text{dor}\ \frac{1}{2}\t
No. 3. " A doz sets, Bronzed, \$12.00: Nickel, \$24.00	TROWELS.
Soughton's Adjus. Window and Door Screens, dis 25 \$	Lothrops' Brick and Plasteringdis 30 \$
Boughton's Adjus. Window and Door Framesdis 20 % Window screen frames (Stuart's)dis 25 %	Reed's Brick and Plasteringdis 15 % Disston's Brick and Plasteringdis 20&10 %
SUPARS AND SCISSORS	Clement & Maynard's
Pruningsee Pruning Hooks and Shears	Worrall's Brick
Marcican (Cast) Iron	Rose's Brickdis 15 %
fassachusettsdis 80&10 \$	TRUCKS (WARBHOUSE, &C.)
ersey Shears	Handy Truck
	Penfield Block Co.'s list, 1882dis 35 % Peerless, with Cogs, No. 35400
liding Door, M. W. & Co., Listdis 45&2	Peerless, with Cogs, No. 4
liding Door, M. W. & Co., List	
liding Door, Pt. Roller, Hatfield'sdis 60&10&2	Cheney's Combined Vise and Anvildis 30 ≸
liding Door, Russell's Anti-Frictiondis 60&10&2 \$ Also see Hangers.	Solid Box—Wilson'sdis 50&10 \$
SHOVELS AND SPADES.	Solid Box - Wilson's
mes, New List, November 1 1885dis 20 %	Manneer Drill Mfg. Co's— Machinist's Vise
riffithsdis 50&5 % temington's (Lowman's Patent)dis 30 %	Bench- Wilson'sdis 45 % Trentondis 25 %
innincott, new listdis 25 \$	Parker'sdis 20 %
tussy, Bins & Co is as \$	Honney'sdis 25 %
SILVER PLATED HOLLOW WARE.	Well Wheels
Ieriden Brittania Co dis 40 %	WINE.
SOLDERING IRONS AND COPPERS.	
overt's Soldering Ironsdis 35.% overt's Adjustable Coppersdis 35	Brass and Copper, list of Jan. 17, 1884dis 25 ≴ Bright and AnnealedNos. o@18, dis 60&10 ≴ Bright and AnnealedNos. 16@18, dis 65 ≴ Bright and AnnealedNos. 27@36, dis 65 ≴
EBOORES	Bright and AnnealedNos. 27@36, dis 65 \$
ritannia dis 60, 10&10 \$ inned. Iron, Table and Tea dis 65 \$ inned Iron Basting dis 30 \$ erman Silver dis 40&5 \$	Galvanized, Nos. o to 18Market list dis 40 \$
inned Iron Bastingdis 30 \$	Timed Proof Wise Nos at to as dis 60 %
STONE.	Annealed Fence, Nos. 8&9dis 65 \$
	Annealed Fence, Nos. 8&9.
indostan No. 1, 4c.; Axe, 5c	Japanned Barb Fence B D 40
ashita Stone, Slips	Buck Thorn Galvanized B b 5% c
FRANSAS PI.50 W. ID., HEL	Picture Wiredis 60 \$

	WRENCHES.	
American Adjustal Baxter's Adjustall Baxter's Diagonal. Coes' Genuine Coes' "Mechanics" Coes' Pattern, Mra Girard Standard Girard Agl Always Ready Collins' Wrenches.	leableught	dis 40 5dis 60 5dis 60 8 10 5dis 50 8 10 5dis 70 8 10 5dis 80 8 10 5dis 80 8 10 5
	WRINGERS.	Per doz.
Universal, XX, No Peerless, no Cogs, Peerless, with Cogs Peerless	No. 19	each 20.25 each 22.75 each 30.25
	IISCELLANEOUS.	
"Diamond" Vegeta Rotary Knife Potat Metallic Shingles Hopper Cherry See	o Parer \$1	6.00 % doz., net 6.50 per square.

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tionately increased.

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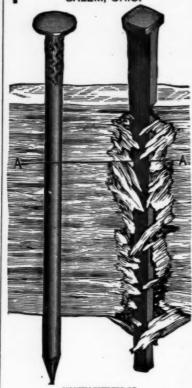
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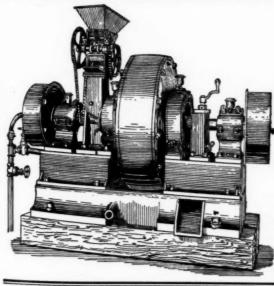
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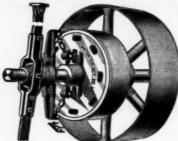
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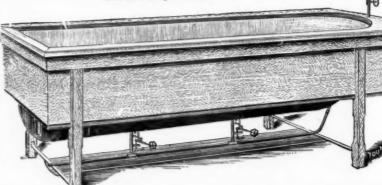
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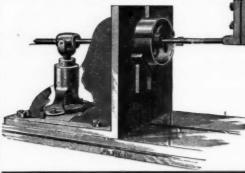


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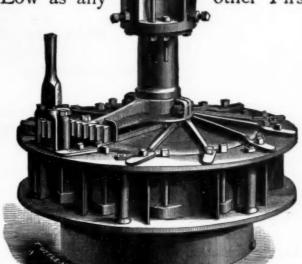
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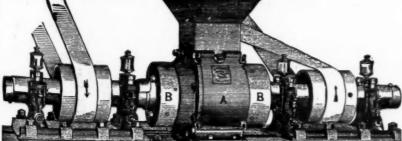
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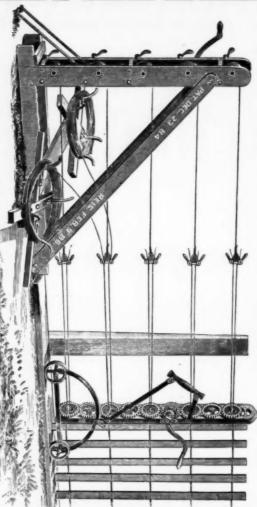
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